INSERVICE INSPECTION SUMMARY REPORT
FOR
REFUELING OUTAGE RF93A
JULY 19,1992 TO JUNE 21, 1993

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

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ISI Engineer — Date

Rudolph Smith — 8/30/93
Repair/Replacement Engineer — Date

Reviewed & Concurred By: — 9-2-93
Supervisor, NDE\ISI Services — Date

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Manager, Materials and Inspection — Date

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Manager, Engineering Programs — Date

R L Mehlin — 9/2/93
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Approved By: — 9/8/93
Plant Manager — Date

Concurrence: — 9/13/93
Authorized Nuclear Inservice Inspector — Date

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SUMMARY

WNP-2 has completed 91% of the first Inservice Inspection Interval requirements. The following Nuclear Regulatory Commission (Commission) augmented examinations were completed at R8: ultrasonic examination of RPV shell welds, pipe break exclusion areas (high energy lines), core spray spargers, and jet pump beams. WNP-2 is on schedule with its Generic Letter 88-01 commitments. No change was found in weld 20RRC(6)-8 indication (identified during R6).

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 July 19,1992 and June 21, 1993. Both General Electric (GE) and Supply System personnel performed the examinations. During this period, WNP-2 completed the eighth scheduled refueling outage, RF93A (R8). This report includes the NIS-1 Owner's Report of Inservice Inspection. A copy can be found in Appendix A.

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.

- Ultrasonic examination of RPV shell welds per 10CFR50.55a dated August 6, 1992.
- Pipe break exclusion areas (high energy lines penetrating containment, but not within ASME Section XI examination boundary)
- IGSCC (intergranular stress corrosion cracking) detection in stainless steel welds, based on Generic Letter 88-01.
- Visual examination of core spray spargers and supply piping in RPV
- Ultrasonic and visual examinations of jet pump beams

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

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

Documentation supporting this summary report is located in the WNP-2 Operations File (DIC 1100). Table I lists all ASME Section XI and augmented examinations completed during R8. 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 Inservice Inspector (ANII) D.E. Hoggarth. He is employed by Factory Mutual Engineering Association, a subsidiary of Arkwright Mutual Insurance Company, Norwood, Massachusetts.

COMPONENTS EXAMINED

The following component was examined:

Component	Manufacturer	Serial Number	National Board No.
RPV	CBIN Nuclear 2700 Channel Ave Memphis, TN	T-45	8

PIPING EXAMINATIONS

- See Generic Letter 88-01 summary below under "AUGMENTED EXAMINATIONS" for further details.

- Two hundred forty seven (247) Class 1 and 2 examinations were completed by UT, PT or MT methods.

RPV EXAMINATIONS

- Interior visual examinations were performed by General Electric and Supply System personnel. Various augmented items were examined. See augmented examination section below for further details. No unacceptable indications were found.

- RPV welds were examined by GE using their GERIS examination system and manual scanning. The RPV weld ultrasonic examinations were performed in accordance with ASME Section XI 1980 Edition Winter, 1980 Addenda, NRC Regulatory Guide 1.150 Revision 1 alternate method and 10CFR50.55a(g)(6)(ii)(A) (issued August 6, 1992). No unacceptable indications were detected. Full ASME Section XI Code coverage as defined in 10CFR50.55a(g)(6)(ii)(A) was not obtained on circumferential weld AB.

10-YEAR HYDROSTATIC TESTS

The Supply System completed the 10-year hydrostatic tests and associated VT-2 examinations

on the following ASME Section III code class 3 systems:

Fuel Pool Cooling
Control Room Chilled Water
Reactor Closed Cooling.

No unacceptable indications were found.

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 completes the augmented commitment for high energy lines for the first inspection interval.

o LPCS weld thickness measurement(section 5.3.7)

Thickness measurement of weld 16LPCS(1)-5 was completed. Results were forwarded to Engineering for review and determination of corrosion rate.

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 ultrasonic and visual examinations (section 5.3.3)

The jet pump beams were ultrasonically and visually examined No reportable indications were found.

o Feedwater nozzle examinations due to Final Feedwater Temperature Reduction (FFWTR) ("coastdown")

One feedwater nozzle inner radius, bore and associated safeend were examined per commitments made in Supply System letter G02-90-024, dated February 14, 1990 and NRC SER dated March 1, 1990. No recordable indications were found. The safeend examined is a GL88-01 category "D" weld and was examined per Supply System commitments to GL88-01.

o Notice of Violation (NOV) 92-20-01, dated September 1, 1992

Reference Supply System letter G02-92-230, dated October 1, 1992.

In response to this NOV, the Supply System reexamined 17 welds using an axial notch calibration. No recordable indications were found.

o Generic Letter 88-01 (section 5.3.4)

Five (5) category A welds, twenty-one (21) category B welds, one (1) category D weld and one (1) category "F" weld were examined. No recordable indications were found in category "A", "B" or "D" welds. The category "F" weld, 20RRC(6)-8, had a reportable indication detected at R6. The results of the R8 examination determined that the flaw size had not changed significantly from R6. The analysis performed at R6 for continued operation is still valid. The results of this examination and analysis for continued operation were submitted to the Commission for review and approval for continued operation.(ref. letter GO2-93-119, dated May 21, 1993) The Commission approved operation for one more cycle. (ref. letter dated June 11,1993, James W. Clifford to G.C. Sorensen, "Review of Inspection Report on a Flaw in Reactor Recirculation Piping at WNP-2") This weld will be examined again at R9 to determine any change in flaw size.

Status of GL 88-01 commitment:

Category (Total #)[1]	Required within 6 yrs[1]	Required within 10 yrs[1]	WNP-2 Status thru R8 (After 4 yrs)[1]
A (57)	7	14	32[2]
B (147)	37	74	52

Category (Total #)[3]	Required within 3 yrs[3]	WNP-2 Status thru R8 (After 1 yr)
D (25)	25	1[4]

Category (Total #)[1]	Required within 1 yrs	WNP-2 Status thru R8 (After 1 yr)
F (1)[5]	1	1

Notes

1 WNP-2 commitment began at R4.
2 WNP-2 requirements exceed GL 88-01 because of ASME Section XI requirements.
3 WNP-2 commitment began at R7
4 Completed as part of FFWTR commitment, see previous page.
5 This category "F" weld was reclassified from category "B" at R6.

WNP-2 is on schedule with its GL 88-01 commitments.

o Snubber testing (section 6.5)

An initial sample of 37 snubbers was selected from the WNP-2 general population of 494 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 is found in Table II.

Snubber MD-1285-14A S/N 4011 passed the functional test, but there were some rub marks on the cylinder due to vibrations. To preclude further service life degradation it was replaced with another tested snubber S/N 2473.

The next testing is required within 18 months.

PRESERVICE INSPECTIONS

Four CRD scram discharge volume welds received PSI surface examinations. The new branch connection welds were installed under Section XI repair/replacement plan 2-0878. The weld numbers are:

Identification No.	Drawing No.
8CRD(12)A-18/2FLG	CRD-201
8CRD(12)A-22/2FLG	CRD-201
8CRD(12)B-18/2FLG	CRD-202
8CRD(12)B-22/2FLG	CRD-202

LIMITED EXAMINATIONS

Full ASME Section XI required coverage of the examination volume or surface could not be accomplished on three (3) welds.

Weld Ident.	Description	Description of Limitations
AB	#1-#2 SC CIRC WD	Examination limited to 79.7% due to weld transition between plates.
SW-123(W)	WELDED ATTACHMT	Examination limited to 75% of welded attachments due to fire seal barrier.
FPC-64(W)	WELDED ATTACHMT	Examination limited by fire seal barrier.

SIGNIFICANT INDICATIONS

Significant indications found during ISI examinations are summarized in Table III. All significant indications were evaluated for continued operation. If unacceptable for continued operation they were repaired or replaced. Evaluation and/or re-examination data sheets are attached to the original data reports.

REPAIRS AND REPLACEMENTS

Four (4) significant ASME Section XI repair or replacement activities were performed during the RF93A refueling outage: 1) Modified vent/drain/test connections, 2) Installed flow elements (FE) and temperature elements (TE) in the service water (SW) system, 3) Installed flush connections in the scram discharge volume (SDV) system and 4) Replaced disc inserts and nozzles for four (4) main steam relief valves and replaced two (2) main steam relief valves. A listing and NIS-2 Owner's Reports for these and other ASME Section XI repair or replacement work accomplished and closed out between July 19, 1992 and June 21, 1993 are provided in Appendix C.

1) Vent/Drain/Test Connections

Modified seven (7) vent/drain/test connections for RHR, LPCS, HPCS, FPC systems and process instrument line to reduce susceptibility to fatigue induced failures at socket welds.

2) Service Water (SW) System

Installed thermowells for temperature measurements and annubar flow elements for flow measurements in the service water system.

3) Scram Discharge Volume (SDV) System

Installed flush connections in both the scram discharge volumes to allow access for water or chemical flushing of the system.

4) Main Steam (MS) System

Refurbished four (4) main steam relief valves with Serial Numbers N63790-00-0046, N63790-00-0057, N63790-00-0120 and N63790-00-0122. These refurbished main steam relief valves were installed in place of the existing main steam relief valves in the plant. Refurbished and reinstalled three (3) main steam relief valves with Serial Numbers N63790-00-0049, N63790-00-0053 and N63790-00-0126.

Table I
Examinations Completed by Category

Notes to Table I

(1) Examination did not cover full Code examination surface or volume

(2) Examined for FFWTR commitment dated March 1, 1990

(3) Examined washers for RPV studs 7A, 14A, 21A, 28A, 35A, 42A, 49A, 56A, 63A, 70A

(4) Examined with axial notch calibration for NOV 92-20-01

(5) Relief Request 2-ISI-001 accepted reduced examination volume for this weld

(6) Jet pump beam commitment, ISI Program Plan section 5.3.3

(7) Jet pump sensing lines commitment, OER 85039B

(8) Core spray sparger commitment, ISI Program Plan section 5.3.5

(9) LPCS weld thickness measurement commitment, ISI Program Plan section 5.3.7

(10) RWCU thermal sleeve commitment, IOM EES-DPR-85-16, dated 8/12/85

(11) CSP nitrogen cracking commitment, OER 84012C

TABLE I
EXAMINATIONS COMPLETED DURING
OUTAGE RF93A

CODE CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ISI DRAWING	METHOD	EXAM DATE	NOTES
AUGMT	24RFW(1)A-1A	PIPE TO VALVE	RFW-101	VOL	19930508	(4)
	24RFW(1)B-1A	PIPE TO VLV	RFW-102	VOL	19930511	
	6RWCU(3)-28A	WOL TO PIPE	RWCU-301	SUR	19930526	
	6RWCU(3)-28B	WOL TO THM SLV	RWCU-301	SUR	19930526	
	6RWCU(3)-28C	THM SLV TO CAP	RWCU-301	SUR	19930526	
	6RWCU(3)-28D	CAP TO PIPE	RWCU-301	SUR	19930526	
	6RWCU(3)-33	PIPE TO TEE	RWCU-301	VOL	19930524	
	6RWCU(3)-34	TEE TO REDUCER	RWCU-301	VOL	19930524	
	4RWCU(3)-1A	REDUCER TO PIPE	RWCU-301	VOL	19930524	
	6RWCU(3)-35	TEE TO PIPE	RWCU-301	VOL	19930524	
	4RWCU(3)-2A	REDUCER TO PIPE	RWCU-301	VOL	19930524	
	4RWCU(3)-3A	PIPE TO ELL	RWCU-301	VOL	19930524	
	4RWCU(3)-4A	ELL TO PIPE	RWCU-301	VOL	19930524	
	4RWCU(3)-5A	PIPE TO PIPE	RWCU-301	VOL	19930524	
	COUNT =	14				
B-A	AA	BTM HD-SC#1 WD	RPV-101	VOL	19930516	
	AB	#1-#2 SC CRC WD	RPV-101	VOL	19930516	(1)
	AC	#2-#3 SC CRC WD	RPV-101	VOL	19930522	
	BA	#1 SC VRT WD@45	RPV-101	VOL	19930519	
	BB	#1 SC VRT W@135	RPV-101	VOL	19930518	
	BC	#1 SC VRT W@225	RPV-101	VOL	19930519	
	BD	#1 SC VRT W@315	RPV-101	VOL	19930518	
	BE	#2 SC VRT W@ 10	RPV-101	VOL	19930520	
	BF	#2 SC VRT W@100	RPV-101	VOL	19930513	
	BG	#2 SC VRT W@190	RPV-101	VOL	19930516	
	BH	#2 SC VRT W@280	RPV-101	VOL	19930513	
	BJ	#3 SC VRT W@ 50	RPV-101	VOL	19930520	
	BK	#3 SC VRT W@170	RPV-101	VOL	19930521	
	BM	#3 SC VRT W@290	RPV-101	VOL	19930520	

TABLE I
EXAMINATIONS COMPLETED DURING
OUTAGE RF93A

CODE CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ISI DRAWING	METHOD	EXAM DATE	NOTES
B-A	BN	#4 SC VRT W@330	RPV-101	VOL	19930524	(1)
	BP	#4 SC VRT W@ 90	RPV-101	VOL	19930524	(1)
	BR	#4 SC VRT W@210	RPV-101	VOL	19930522	(1)
	MRP-1	REPAIR AREA	RPV-101	VOL	19930521	
	DA	BOT HD MRD @272	RPV-102	VOL	19930518	(1),(5)
	DB	BOT HD MRD @332	RPV-102	VOL	19930518	(1),(5)
	DC	BOT HD MRD @ 32	RPV-102	VOL	19930518	(1),(5)
	DD	BOT HD MRD @ 92	RPV-102	VOL	19930518	(1),(5)
	DE	BOT HD MRD @152	RPV-102	VOL	19930518	(1),(5)
	DF	BOT HD MRD @212	RPV-102	VOL	19930518	(1),(5)
	AJ	BOT HD DOL WELD	RPV-102	VOL	19930521	
	DG	BOT HD DOL /270	RPV-102	VOL	19930521	(1),(5)
	DR	BOT HD DOL / 90	RPV-102	VOL	19930521	(1),(5)
	COUNT =	27				
B-D	N4-30-IR	FW NZ-IR @ 30	RPV-101	VOL	19930519	(2)
	N4-30-NB	FW NZ BORE @ 30	RPV-101	VOL	19930519	(2)
	COUNT =	2				
B-F	12RHR(1)A-14	VALVE TO SE	RHR-105	VOL	19930520	
	12RHR(1)A-14	VALVE TO SE	RHR-105	SUR	19930515	
	12RFW(1)AC-12	SE/STUB TO SE	RFW-101	VOL	19930520	
	12RFW(1)AC-13	SE TO N4	RFW-101	VOL	19930520	
	4RRC(4)B-12	SE TO VALVE	RRC-109	VOL	19930520	
	4RRC(4)B-12	SE TO VALVE	RRC-109	SUR	19930515	
	COUNT =	6				
B-G-1	RPV STUD 35-1-7A	RPV STUD	RPV-101	VOL	19930526	

TABLE I
EXAMINATIONS COMPLETED DURING
OUTAGE RF93A

CODE CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ISI DRAWING	METHOD	EXAM DATE	NOTES
B-G-1	RPV STUD 35-1-7A	RPV STUD	RPV-101	SUR	19930526	
	RPV STUD 35-1-14A	RPV STUD	RPV-101	VOL	19930526	
	RPV STUD 35-1-14A	RPV STUD	RPV-101	SUR	19930526	
	RPV STUD 35-1-21A	RPV STUD	RPV-101	VOL	19930526	
	RPV STUD 35-1-21A	RPV STUD	RPV-101	SUR	19930526	
	RPV STUD 35-1-28A	RPV STUD	RPV-101	VOL	19930526	
	RPV STUD 35-1-28A	RPV STUD	RPV-101	SUR	19930526	
	RPV STUD 35-1-35A	RPV STUD	RPV-101	VOL	19930526	
	RPV STUD 35-1-35A	RPV STUD	RPV-101	SUR	19930526	
	RPV STUD 35-1-42A	RPV STUD	RPV-101	VOL	19930526	
	RPV STUD 35-1-42A	RPV STUD	RPV-101	SUR	19930526	
	RPV STUD 35-1-49A	RPV STUD	RPV-101	VOL	19930526	
	RPV STUD 35-1-49A	RPV STUD	RPV-101	SUR	19930526	
	RPV STUD 35-1-56A	RPV STUD	RPV-101	VOL	19930526	
	RPV STUD 35-1-56A	RPV STUD	RPV-101	SUR	19930526	
	RPV STUD 35-1-63A	RPV STUD	RPV-101	VOL	19930526	
	RPV STUD 35-1-63A	RPV STUD	RPV-101	SUR	19930526	
	RPV STUD 35-1-70A	RPV STUD	RPV-101	VOL	19930526	
	RPV STUD 35-1-70A	RPV STUD	RPV-101	SUR	19930526	
	RPV NUT 36-1-7A	RPV NUT	RPV-101	VOL	19930527	
	RPV NUT 36-1-7A	RPV NUT	RPV-101	SUR	19930527	
	RPV NUT 36-1-14A	RPV NUT	RPV-101	VOL	19930527	
	RPV NUT 36-1-14A	RPV NUT	RPV-101	SUR	19930527	
	RPV NUT 36-1-21A	RPV NUT	RPV-101	VOL	19930527	
	RPV NUT 36-1-21A	RPV NUT	RPV-101	SUR	19930527	
	RPV NUT 36-1-28A	RPV NUT	RPV-101	VOL	19930527	
	RPV NUT 36-1-28A	RPV NUT	RPV-101	SUR	19930527	
	RPV NUT 36-1-35A	RPV NUT	RPV-101	VOL	19930527	
	RPV NUT 36-1-35A	RPV NUT	RPV-101	SUR	19930527	
	RPV NUT 36-1-42A	RPV NUT	RPV-101	VOL	19930527	
	RPV NUT 36-1-42A	RPV NUT	RPV-101	SUR	19930527	

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OUTAGE RF93A

CODE CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ISI DRAWING	METHOD	EXAM DATE	NOTES
B-G-1	RPV NUT 36-1-49A	RPV NUT	RPV-101	VOL	19930527	
	RPV NUT 36-1-49A	RPV NUT	RPV-101	SUR	19930527	
	RPV NUT 36-1-56A	RPV NUT	RPV-101	VOL	19930527	
	RPV NUT 36-1-56A	RPV NUT	RPV-101	SUR	19930527	
	RPV NUT 36-1-63A	RPV NUT	RPV-101	VOL	19930527	
	RPV NUT 36-1-63A	RPV NUT	RPV-101	SUR	19930527	
	RPV NUT 36-1-70A	RPV NUT	RPV-101	VOL	19930527	
	RPV NUT 36-1-70A	RPV NUT	RPV-101	SUR	19930527	
	RPV WASHERS	RPV WASHER-76EA	RPV-101	VT-1	19930527	(3)
	COUNT =	41				
B-G-2	RCIC-V-13-BLT	VALVE BOLTING	RCIC-102	VT-1	19930514	
	RCIC-V-65-BLT	VALVE BOLTING	RCIC-102	VT-1	19930514	
	6RCIC(1)-28BD	FLANGE BOLTING	RCIC-102	VT-1	19930526	
	6RCIC(1)-31BU	FLANGE BOLTING	RCIC-102	VT-1	19930504	
	6RCIC(1)-41ABD	FLANGE BOLTING	RCIC-102	VT-1	19930607	
	6RCIC(1)-44BD	FLANGE BOLTING	RCIC-102	VT-1	19930607	
	RHR-V-41A-BLT	VALVE BOLTING	RHR-101	VT-1	19930517	
	RHR-V-42C-BLT	VALVE BOLTING	RHR-103	VT-1	19930514	
	RHR-V-41C-BLT	VALVE BOLTING	RHR-103	VT-1	19930517	
	RHR-V-111C-BLT	VALVE BOLTING	RHR-103	VT-1	19930517	
	RHR-V-112A-BLT	VALVE BOLTING	RHR-105	VT-1	19930517	
	RHR-V-112B-BLT	VALVE BOLTING	RHR-106	VT-1	19930512	
	MS-V-22A-BLT	VALVE BOLTING	MS-101	VT-1	19930521	
	MS-V-28A-BLT	VALVE BOLTING	MS-101	VT-1	19930504	
	4MS(12)-1BD	FLANGE BOLTING	MS-106	VT-1	19930607	
	4RRC(8)2A-2BD	FLANGE BOLTING	RRC-101	VT-1	19930506	
	4RRC(8)1A-2BD	FLANGE BOLTING	RRC-101	VT-1	19930506	
	RRC-V-67A-BLT	VALVE BOLTING	RRC-101	VT-1	19930506	
	4RWCU(3)-4BD	FLANGE BOLTING	RWCU-101	VT-1	19930526	

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CODE CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ISI DRAWING	METHOD	EXAM DATE	NOTES
B-G-2	RWCU-V-100-BLT	VALVE BOLTING	RWCU-101	VT-1	19930526	
	4RWCU(3)-10BD	FLANGE BOLTING	RWCU-101	VT-1	19930526	
	RWCU-V-4-BLT	VALVE BOLTING	RWCU-101	VT-1	19930524	
	COUNT =	22				
B-H	CG	SKIRT KNUCKLE	RPV-101	SUR	19930521	
	COUNT =	1				
B-J	6SPARE-1	SPARE NZ-FLANGE	RPV-102	VOL	19930511	(4)
	4RCIC(13)-12	PIPE TO PIPE	RCIC-101	VOL	19930529	
	4RCIC(13)-13	PIPE TO PEN	RCIC-101	VOL	19930528	
	4RCIC(13)-14	PEN TO ELL	RCIC-101	VOL	19930527	
	4RCIC(13)-14	PEN TO ELL	RCIC-101	SUR	19930527	
	4RCIC(13)-15	ELL TO PIPE	RCIC-101	VOL	19930527	
	4RCIC(13)-15	ELL TO PIPE	RCIC-101	SUR	19930527	
	4RCIC(13)-16	PIPE TO ELL	RCIC-101	VOL	19930527	
	4RCIC(13)-16	PIPE TO ELL	RCIC-101	SUR	19930527	
	4RCIC(13)-17	ELL TO PIPE	RCIC-101	VOL	19930527	
	4RCIC(13)-17	ELL TO PIPE	RCIC-101	SUR	19930527	
	4RCIC(13)-18	PIPE TO PIPE	RCIC-101	VOL	19930527	
	4RCIC(13)-19	PIPE TO VLV	RCIC-101	VOL	19930527	
	4RCIC(13)-19	PIPE TO VLV	RCIC-101	SUR	19930527	
	6RCIC(1)-13	VLV TO PIPE	RCIC-102	VOL	19930527	
	6RCIC(1)-13	VLV TO PIPE	RCIC-102	SUR	19930527	
	6RCIC(1)-14	PIPE TO ELL	RCIC-102	VOL	19930527	
	6RCIC(1)-14	PIPE TO ELL	RCIC-102	SUR	19930527	
	6RCIC(1)-45	FLG TO NOZZLE	RCIC-102	VOL	19930511	(4)
	14LPCI(1)B-4	PIPE TO ELL	RHR-102	VOL	19930513	
	14LPCI(1)B-4	PIPE TO ELL	RHR-102	SUR	19930512	

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CODE CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ISI DRAWING	METHOD	EXAM DATE	NOTES
B-J	14LPCI(1)B-5	ELL TO PEN	RHR-102	VOL	19930513	
	14LPCI(1)B-5	ELL TO PEN	RHR-102	SUR	19930512	
	14LPCI(1)C-1	VLV TO PIPE	RHR-103	VOL	19930512	
	14LPCI(1)C-1	VLV TO PIPE	RHR-103	SUR	19930512	
	14LPCI(1)C-8	ELL TO PEN	RHR-103	VOL	19930508	
	14LPCI(1)C-8	ELL TO PEN	RHR-103	SUR	19930508	
	20RHR(2)-5	ELL TO PIPE	RHR-104	VOL	19930529	
	20RHR(2)-5	ELL TO PIPE	RHR-104	SUR	19930529	
	12RHR(1)A-10	ELL TO PIPE	RHR-105	VOL	19930517	
	12RHR(1)A-10	ELL TO PIPE	RHR-105	SUR	19930517	
	12RHR(1)A-13	PIPE TO VALVE	RHR-105	VOL	19930517	
	12RHR(1)A-13	PIPE TO VALVE	RHR-105	SUR	19930517	
	12RHR(1)B-1	VLV TO PEN	RHR-106	VOL	19930516	
	12RHR(1)B-1	VLV TO PEN	RHR-106	SUR	19930516	
	12RHR(1)B-7	PIPE TO ELL	RHR-106	VOL	19930513	
	12RHR(1)B-7	PIPE TO ELL	RHR-106	SUR	19930513	
	12RHR(1)B-9	PIPE TO VLV	RHR-106	VOL	19930513	
	12RHR(1)B-9	PIPE TO VLV	RHR-106	SUR	19930513	
	12RHR(1)B-12LUO	ELL SEAM	RHR-106	VOL	19930514	
	12RHR(1)B-12LUO	ELL SEAM	RHR-106	SUR	19930512	
	12RHR(1)B-12	ELL TO PIPE	RHR-106	SUR	19930512	
	12RHR(1)B-13	PIPE TO VLV	RHR-106	VOL	19930514	
	12RHR(1)B-13	PIPE TO VLV	RHR-106	SUR	19930512	
	26MS(1)A-7/8MSR-4A	PIPE TO SWL	MS-101	VOL	19930521	
	26MS(1)A-7/8MSR-4A	PIPE TO SWL	MS-101	SUR	19930521	
	26MS(1)A-7/8MSR-3A	PIPE TO SWL	MS-101	VOL	19930521	
	26MS(1)A-7/8MSR-3A	PIPE TO SWL	MS-101	SUR	19930521	
	26MS(1)D-7/8MSR-4D	PIPE TO SWL	MS-104	VOL	19930522	
	26MS(1)D-7/8MSR-4D	PIPE TO SWL	MS-104	SUR	19930522	
	26MS(1)D-7/8MSR-3D	PIPE TO SWL	MS-104	VOL	19930522	
	26MS(1)D-7/8MSR-3D	PIPE TO SWL	MS-104	SUR	19930522	

TABLE I
EXAMINATIONS COMPLETED DURING
OUTAGE RF93A

CODE CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ISI DRAWING	METHOD	EXAM DATE	NOTES
B-J	26MS(1)D-7/8MSR-2D	PIPE TO SWL	MS-104	VOL	19930522	
	26MS(1)D-7/8MSR-2D	PIPE TO SWL	MS-104	SUR	19930522	
	26MS(1)D-7/8MSR-1D	PIPE TO SWL	MS-104	VOL	19930522	
	26MS(1)D-7/8MSR-1D	PIPE TO SWL	MS-104	SUR	19930522	
	26MS(1)D-8	PIPE TO ELL	MS-104	VOL	19930525	
	26MS(1)D-8	PIPE TO ELL	MS-104	SUR	19930525	
	26MS(1)D-8LDI	ELL SEAM	MS-104	VOL	19930525	
	26MS(1)D-8LDI	ELL SEAM	MS-104	SUR	19930525	
	26MS(1)D-8LDO	ELL SEAM	MS-104	VOL	19930525	
	26MS(1)D-8LDO	ELL SEAM	MS-104	SUR	19930525	
	26MS(1)D-9LUI	ELL SEAM	MS-104	VOL	19930527	
	26MS(1)D-9LUI	ELL SEAM	MS-104	SUR	19930527	
	26MS(1)D-9LUO	ELL SEAM	MS-104	VOL	19930527	
	26MS(1)D-9LUO	ELL SEAM	MS-104	SUR	19930527	
	26MS(1)D-9	ELL TO PIPE	MS-104	VOL	19930527	
	26MS(1)D-9	ELL TO PIPE	MS-104	SUR	19930527	
	26MS(1)D-16	VALVE TO PENE	MS-104	VOL	19930522	
	26MS(1)D-16	VALVE TO PENE	MS-104	SUR	19930522	
	26MS(1)D-17	PENE TO PIPE	MS-104	VOL	19930512	
	MS-V-28D/2MS(9)-4	DRAIN CONN	MS-104	SUR	19930513	
	4MS(12)-2	FLANGE/REDUCER	MS-106	VOL	19930511	(4)
	24RFW(1)A-1	VALVE TO PIPE	RFW-101	VOL	19930508	(4)
	24RFW(1)A-1/5RFW(11)-4	PIPE TO WOL	RFW-101	VOL	19930510	(4)
	5RFW(11)A-2	SLEEVE TO WOL	RFW-101	VOL	19930510	
	5RFW(11)A-2	SLEEVE TO WOL	RFW-101	SUR	19930507	
	24RFW(1)A-2	PIPE TO VALVE	RFW-101	VOL	19930508	(4)
	24RFW(1)A-3	VALVE TO PENE	RFW-101	VOL	19930508	(4)
	24RFW(1)A-5	VALVE TO PIPE	RFW-101	VOL	19930522	(4)
	24RFW(1)A-6	PIPE TO ELL	RFW-101	VOL	19930522	(4)
	24RFW(1)A-7	ELL TO PIPE	RFW-101	VOL	19930517	(4)
	24RFW(1)A-8	PIPE TO VALVE	RFW-101	VOL	19930517	

TABLE I
EXAMINATIONS COMPLETED DURING
OUTAGE RF93A

CODE CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ISI DRAWING	METHOD	EXAM DATE	NOTES
B-J	24RFW(1)A-8	PIPE TO VALVE	RFW-101	SUR	19930517	
	24RFW(1)A-15	PIPE TO TEE	RFW-101	VOL	19930519	(4)
	24RFW(1)A-17	PIPE TO REDUCER	RFW-101	VOL	19930520	
	24RFW(1)A-17	PIPE TO REDUCER	RFW-101	SUR	19930520	
	18RFW(1)A-1	REDUCER TO PIPE	RFW-101	VOL	19930520	
	18RFW(1)A-1	REDUCER TO PIPE	RFW-101	SUR	19930520	
	18RFW(1)A-2	PIPE TO TEE	RFW-101	VOL	19930522	
	18RFW(1)A-2	PIPE TO TEE	RFW-101	SUR	19930522	
	18RFW(1)A-4	PIPE TO REDUCER	RFW-101	VOL	19930520	
	18RFW(1)A-4	PIPE TO REDUCER	RFW-101	SUR	19930520	
	24RFW(1)B-1	VALVE TO PIPE	RFW-102	VOL	19930511	(4)
	24RFW(1)B-1/5RFW(11)-4	PIPE TO WOL	RFW-102	VOL	19930511	(4)
	5RFW(11)B-2	SLEEVE TO WOL	RFW-102	VOL	19930512	(4)
	24RFW(1)B-2	PIPE TO VALVE	RFW-102	VOL	19930511	(4)
	24RFW(1)B-3	VALVE TO PENE	RFW-102	VOL	19930511	(4)
	24RFW(1)B-8	PIPE TO VALVE	RFW-102	VOL	19930517	
	12RFW(1)BF-2	PIPE TO ELL	RFW-102	VOL	19930524	
	12RFW(1)BF-2	PIPE TO ELL	RFW-102	SUR	19930524	
	12RFW(1)BF-7	PIPE TO ELL	RFW-102	VOL	19930522	
	12RFW(1)BF-7	PIPE TO ELL	RFW-102	SUR	19930522	
	12RFW(1)BF-8	ELL TO PIPE	RFW-102	VOL	19930522	
	12RFW(1)BF-8	ELL TO PIPE	RFW-102	SUR	19930522	
	24RFW(1)B-17	PIPE TO REDUCER	RFW-102	VOL	19930519	
	24RFW(1)B-17	PIPE TO REDUCER	RFW-102	SUR	19930519	
	18RFW(1)B-1	REDUCER TO PIPE	RFW-102	VOL	19930519	
	18RFW(1)B-1	REDUCER TO PIPE	RFW-102	SUR	19930519	
	18RFW(1)B-4	PIPE TO REDUCER	RFW-102	VOL	19930519	
	18RFW(1)B-4	PIPE TO REDUCER	RFW-102	SUR	19930519	
	24RRC(1)A-20/12RRC(7)-4S	PIPE TO SWL	RRC-101	VOL	19930518	
	24RRC(1)A-20/12RRC(7)-4S	PIPE TO SWL	RRC-101	SUR	19930506	
	24RRC(2)B-8/4RRC(8)-4S	PIPE TO SWL	RRC-102	VOL	19930512	

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EXAMINATIONS COMPLETED DURING
OUTAGE RF93A

CODE CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ISI DRAWING	METHOD	EXAM DATE	NOTES
B-J	24RRC(2)B-8/4RRC(8)-4S	PIPE TO SWL	RRC-102	SUR	19930511	
	4RRC(8)2B-1	SWL TO PIPE	RRC-102	VOL	19930512	
	4RRC(8)2B-1	SWL TO PIPE	RRC-102	SUR	19930511	
	4RRC(8)2B-2	PIPE TO FLANGE	RRC-102	VOL	19930512	
	4RRC(8)2B-2	PIPE TO FLANGE	RRC-102	SUR	19930511	
	24RRC(2)B-8/4RRC(4)-4S	PIPE TO SWL	RRC-102	VOL	19930512	
	24RRC(2)B-8/4RRC(4)-4S	PIPE TO SWL	RRC-102	SUR	19930511	
	24RRC(2)B-9	PIPE TO ELL	RRC-102	VOL	19930513	
	24RRC(2)B-9LDO	ELL SEAM	RRC-102	VOL	19930511	
	24RRC(2)B-9LDI	ELL SEAM	RRC-102	VOL	19930511	
	24RRC(2)B-10LUO	ELL SEAM	RRC-102	VOL	19930511	
	24RRC(2)B-10LUI	ELL SEAM	RRC-102	VOL	19930511	
	24RRC(2)B-10	ELL TO PUMP	RRC-102	VOL	19930518	
	24RRC(1)B-11	PUMP TO PIPE	RRC-102	VOL	19930519	
	24RRC(1)B-11LD	PIPE SEAM	RRC-102	VOL	19930517	
	4RRC(8)1B-1	SWL TO PIPE	RRC-102	VOL	19930517	
	4RRC(8)1B-1	SWL TO PIPE	RRC-102	SUR	19930514	
	4RRC(8)1B-2	PIPE TO FLANGE	RRC-102	VOL	19930514	
	4RRC(8)1B-2	PIPE TO FLANGE	RRC-102	SUR	19930506	
	24RRC(1)B-18/12RRC(7)-4S	PIPE TO SWL	RRC-102	VOL	19930511	
	24RRC(1)B-18/12RRC(7)-4S	PIPE TO SWL	RRC-102	SUR	19930506	
	16RRC(1)B-1	CROSS TO PIPE	RRC-102	VOL	19930522	
	16RRC(1)B-1/12RRC(1)-N2G	PIPE TO SWL	RRC-102	VOL	19930521	
	16RRC(1)B-1/12RRC(1)-N2G	PIPE TO SWL	RRC-102	SUR	19930513	
	16RRC(1)B-1/12RRC(1)-N2F	PIPE TO SWL	RRC-102	VOL	19930521	
	16RRC(1)B-1/12RRC(1)-N2F	PIPE TO SWL	RRC-102	SUR	19930514	
	16RRC(1)B-3/12RRC(1)-N2J	PIPE TO SWL	RRC-102	VOL	19930521	
	16RRC(1)B-3/12RRC(1)-N2J	PIPE TO SWL	RRC-102	SUR	19930513	
	16RRC(1)B-3/12RRC(1)-N2K	PIPE TO SWL	RRC-102	VOL	19930521	
	16RRC(1)B-3/12RRC(1)-N2K	PIPE TO SWL	RRC-102	SUR	19930514	
	12RRC(1)-N2H-1	REDUCER TO PIPE	RRC-102	VOL	19930520	

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EXAMINATIONS COMPLETED DURING
OUTAGE RF93A

CODE CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ISI DRAWING	METHOD	EXAM DATE	NOTES
B-J	12RRC(1)-N2H-1LD	PIPE SEAM	RRC-102	VOL	19930519	
	20RRC(6)-8	PIPE TO VALVE	RRC-105	VOL	19930513	
	12RRC(7)B-2LDI	ELL SEAM	RRC-107	VOL	19930514	
	12RRC(7)B-2LDI	ELL SEAM	RRC-107	SUR	19930512	
	12RRC(7)B-2LDO	ELL SEAM	RRC-107	VOL	19930514	
	12RRC(7)B-2LDO	ELL SEAM	RRC-107	SUR	19930512	
	12RRC(7)B-3LUI	ELL SEAM	RRC-107	VOL	19930514	
	12RRC(7)B-3LUI	ELL SEAM	RRC-107	SUR	19930512	
	12RRC(7)B-3LUO	ELL SEAM	RRC-107	VOL	19930514	
	12RRC(7)B-3LUO	ELL SEAM	RRC-107	SUR	19930512	
	12RRC(7)B-3	ELL TO PIPE	RRC-107	VOL	19930517	
	12RRC(7)B-3	ELL TO PIPE	RRC-107	SUR	19930512	
	12RRC(7)B-3LD	PIPE SEAM	RRC-107	VOL	19930514	
	12RRC(7)B-3LD	PIPE SEAM	RRC-107	SUR	19930512	
	4RRC(4)B-4	PIPE TO TEE	RRC-109	VOL	19930520	
	4RRC(4)B-5	TEE TO PIPE	RRC-109	VOL	19930520	
	4RRC(4)B-10	ELL TO PIPE	RRC-109	VOL	19930519	
	4RRC(4)B-10	ELL TO PIPE	RRC-109	SUR	19930515	
	6RWCU(3)-20	PIPE TO VALVE	RWCU-101	VOL	19930528	
	6RWCU(3)-21	VALVE TO PIPE	RWCU-101	VOL	19930527	
	6RWCU(3)-22	PIPE TO PENE	RWCU-101	VOL	19930527	
	6RWCU(3)-23	PEN TO ELL	RWCU-101	VOL	19930524	
	6RWCU(3)-24	ELL TO PIPE	RWCU-101	VOL	19930524	
	6RWCU(3)-25	PIPE TO ELL	RWCU-101	VOL	19930524	
	6RWCU(3)-26	ELL TO PIPE	RWCU-101	VOL	19930524	
	COUNT =	170				
B-K-1	RCIC-1C-2(W)	8 WELDED LUGS	RCIC-101	SUR	19930527	
	RHR-231(W)	4 WELDED LUGS	RHR-101	SUR	19930603	
	RHR-483(W)	4 WELDED LUGS	RHR-102	SUR	19930512	

TABLE I
EXAMINATIONS COMPLETED DURING
OUTAGE RF93A

CODE CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ISI DRAWING	METHOD	EXAM DATE	NOTES
B-K-1	MS FLUED HEAD B	FLUED HEAD WELD	MS-102	SUR	19930512	
	MS-HD-2(W)	4 WELDED LUGS	MS-104	SUR	19930522	
	MS FLUED HEAD D	FLUED HEAD WELD	MS-104	SUR	19930512	
	RFW-186(W)	6 WELDED LUGS	RFW-101	SUR	19930518	
	RFW-159(W)	4 WELDED LUGS	RFW-101	SUR	19930528	
	RFW-162(W)	6 WELDED LUGS	RFW-102	SUR	19930517	
	RFW-183(W)	4 WELDED LUGS	RFW-102	SUR	19930528	
	RRC-SA-2(W)	4 WELDED LUGS	RRC-101	SUR	19930506	
	RRC-SA-1(W)	4 WELDED LUGS	RRC-101	SUR	19930508	
	RRC-SB-16(W)	8 WELDED LUGS	RRC-102	SUR	19930515	
	COUNT =	13				
B-P	RPV-PB-101(L)	LK PRES BNDRY	RPV-101	VT-2	19930620	
	RPV-PB-102(L)	LK PRES BNDRY	RPV-102	VT-2	19930620	
	RCIC-PB-101(L)	LK PRES BNDRY	RCIC-101	VT-2	19930620	
	RCIC-PB-102(L)	LK PRES BNDRY	RCIC-102	VT-2	19930620	
	HPCS-PB-101(L)	LK PRES BNDRY	HPCS-101	VT-2	19930620	
	LPCS-PB-101(L)	LK PRES BNDRY	LPCS-101	VT-2	19930620	
	RHR-PB-101(L)	LK PRES BNDRY	RHR-101	VT-2	19930620	
	RHR-PB-102(L)	LK PRES BNDRY	RHR-102	VT-2	19930620	
	RHR-PB-103(L)	LK PRES BNDRY	RHR-103	VT-2	19930620	
	RHR-PB-104(L)	LK PRES BNDRY	RHR-104	VT-2	19930620	
	RHR-PB-105(L)	LK PRES BNDRY	RHR-105	VT-2	19930620	
	RHR-PB-106(L)	LK PRES BNDRY	RHR-106	VT-2	19930620	
	MS-PB-101(L)	LK PRES BNDRY	MS-101	VT-2	19930620	
	MS-PB-102(L)	LK PRES BNDRY	MS-102	VT-2	19930620	
	MS-PB-103(L)	LK PRES BNDRY	MS-103	VT-2	19930620	
	MS-PB-104(L)	LK PRES BNDRY	MS-104	VT-2	19930620	
	MS-PB-105(L)	LK PRES BNDRY	MS-105	VT-2	19930620	
	MS-PB-106(L)	LK PRES BNDRY	MS-106	VT-2	19930620	

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EXAMINATIONS COMPLETED DURING
OUTAGE RF93A

CODE CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ISI DRAWING	METHOD	EXAM DATE	NOTES
B-P	RFW-PB-101(L)	LK PRES BNDRY	RFW-101	VT-2	19930620	
	RFW-PB-102(L)	LK PRES BNDRY	RFW-102	VT-2	19930620	
	RFW-PB-103(L)	LK PRES BNDRY	RFW-103	VT-2	19930620	
	RRC-PB-101(L)	LK PRES BNDRY	RRC-101	VT-2	19930620	
	RRC-PB-102(L)	LK PRES BNDRY	RRC-102	VT-2	19930620	
	RRC-PB-103(L)	LK PRES BNDRY	RRC-103	VT-2	19930620	
	RRC-PB-104(L)	LK PRES BNDRY	RRC-104	VT-2	19930620	
	RRC-PB-105(L)	LK PRES BNDRY	RRC-105	VT-2	19930620	
	RRC-PB-106(L)	LK PRES BNDRY	RRC-106	VT-2	19930620	
	RRC-PB-107(L)	LK PRES BNDRY	RRC-107	VT-2	19930620	
	RRC-PB-108(L)	LK PRES BNDRY	RRC-108	VT-2	19930620	
	RRC-PB-109(L)	LK PRES BNDRY	RRC-109	VT-2	19930620	
	RRC-PB-110(L)	LK PRES BNDRY	RRC-110	VT-2	19930620	
	RRC-PB-111(L)	LK PRES BNDRY	RRC-111	VT-2	19930620	
	RWCU-PB-101(L)	LK PRES BNDRY	RWCU-101	VT-2	19930620	
	SLC-PB-101(L)	LK PRESS BNDRY	SLC-101	VT-2	19930620	
	COUNT =	34				
C-C	RHR-188(W)	4 WELDED LUGS	RHR-201	SUR	19930604	
	RHR-419(W)	4 WELDED LUGS	RHR-203	SUR	19930521	
	RHR-420(W)	4 WELDED LUGS	RHR-203	SUR	19930521	
	RHR-76(W)	4 WELDED LUGS	RHR-205	SUR	19930524	
	RHR-917N(W)	4 WELDED LUGS	RHR-205	SUR	19930531	
	RHR-918N(W)	8 WELDED LUGS	RHR-207	SUR	19930524	
	RHR-924N(W)	4 WELDED LUGS	RHR-207	SUR	19930604	
	RHR-495(W)	8 WELDED LUGS	RHR-207	SUR	19930528	
	RHR-185(W)	4 WELDED LUGS	RHR-207	SUR	19930528	
	RHR-218(W)	8 WELDED LUGS	RHR-207	SUR	19930521	
	RHR-184(W)	16 WELDED LUGS	RHR-207	SUR	19930521	
	MS-71(W)	2 WELDED LUGS	MS-204	SUR	19930531	
	COUNT =	12				

TABLE I
EXAMINATIONS COMPLETED DURING
OUTAGE RF93A

CODE CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ISI DRAWING	METHOD	EXAM DATE	NOTES
C-F-2	6RCIC(6)-1	TEE TO PIPE	RCIC-205	VOL	19930505	
	10HPCS(9)-1	TEE TO PIPE	HPCS-202	VOL	19930506	(4)
	18RHR(1)A-4	PIPE TO ELL	RHR-201	VOL	19930531	
	18RHR(1)A-4	PIPE TO ELL	RHR-201	SUR	19930531	
	18RHR(1)A-5	ELL TO PIPE	RHR-201	VOL	19930531	
	18RHR(1)A-5	ELL TO PIPE	RHR-201	SUR	19930531	
	18RHR(1)A-6	PIPE TO ELL	RHR-201	VOL	19930531	
	18RHR(1)A-6	PIPE TO ELL	RHR-201	SUR	19930531	
	18RHR(1)A-21	PIPE TO TEE	RHR-201	VOL	19930603	
	18RHR(1)A-21	PIPE TO TEE	RHR-201	SUR	19930603	
	18RHR(2)A-12	PIPE TO TEE	RHR-205	VOL	19930531	
	18RHR(2)A-12	PIPE TO TEE	RHR-205	SUR	19930531	
	24RHR(2)A-2	TEE TO PIPE	RHR-205	VOL	19930531	
	24RHR(2)A-2	TEE TO PIPE	RHR-205	SUR	19930531	
	24RHR(2)A-6	FLANGE TO ELL	RHR-205	VOL	19930531	
	24RHR(2)A-6	FLANGE TO ELL	RHR-205	SUR	19930531	
	24RHR(3)A-10	ELL TO TEE	RHR-205	VOL	19930531	
	24RHR(3)A-10	ELL TO TEE	RHR-205	SUR	19930531	
	20RHR(8)A-1B	FLANGE TO PIPE	RHR-206	VOL	19930603	
	20RHR(8)A-1B	FLANGE TO PIPE	RHR-206	SUR	19930603	
	20RHR(8)A-4	PIPE TO PIPE	RHR-206	VOL	19930601	
	20RHR(8)A-4	PIPE TO PIPE	RHR-206	SUR	19930601	
	20RHR(8)A-17	ELL TO PIPE	RHR-206	VOL	19930603	
	20RHR(8)A-17	ELL TO PIPE	RHR-206	SUR	19930603	
	14RHR(1)C-1	RED TO PIPE	RHR-210	VOL	19930506	
	14RHR(1)C-1	RED TO PIPE	RHR-210	SUR	19930506	
	14RHR(1)C-6	PIPE TO PIPE	RHR-210	VOL	19930506	
	14RHR(1)C-6	PIPE TO PIPE	RHR-210	SUR	19930506	
	24RHR(3)-2	VALVE TO PIPE	RHR-211	VOL	19930602	
	24RHR(3)-2	VALVE TO PIPE	RHR-211	SUR	19930602	
	24RHR(3)-2/3(17)-1	BRANCH CONN	RHR-211	SUR	19930602	

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EXAMINATIONS COMPLETED DURING
OUTAGE RF93A

CODE CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ISI DRAWING	METHOD	EXAM DATE	NOTES
C-F-2	24RHR(3)-6	ELL TO PIPE	RHR-211	VOL	19930602	
	24RHR(3)-6	ELL TO PIPE	RHR-211	SUR	19930602	
	24RHR(3)-8	ELL TO PIPE	RHR-211	VOL	19930602	
	24RHR(3)-8	ELL TO PIPE	RHR-211	SUR	19930602	
	26MS(1)A-19/3V-20	DRAIN CONN	MS-201	SUR	19930511	
	30MS(1)A-7LU	PIPE LONG SEAM	MS-201	VOL	19930603	
	30MS(1)A-7LU	PIPE LONG SEAM	MS-201	SUR	19930603	
	30MS(1)A-7	PIPE TO ELL	MS-201	VOL	19930529	
	30MS(1)A-7	PIPE TO ELL	MS-201	SUR	19930529	
	30MS(1)A-7LDI	ELL SEAM	MS-201	VOL	19930529	
	30MS(1)A-7LDI	ELL SEAM	MS-201	SUR	19930529	
	30MS(1)A-7LDO	ELL SEAM	MS-201	VOL	19930529	
	30MS(1)A-7LDO	ELL SEAM	MS-201	SUR	19930529	
	30MS(1)A-16LUO	ELL SEAM	MS-201	VOL	19930529	
	30MS(1)A-16LUO	ELL SEAM	MS-201	SUR	19930529	
	30MS(1)A-16	ELL TO PIPE	MS-201	VOL	19930529	
	30MS(1)A-16	ELL TO PIPE	MS-201	SUR	19930529	
	30MS(1)A-16LD	PIPE LONG SEAM	MS-201	VOL	19930603	
	30MS(1)A-16LD	PIPE LONG SEAM	MS-201	SUR	19930603	
	18MS(1)A-3	ELL TO PIPE	MS-201	VOL	19930528	
	18MS(1)A-3	ELL TO PIPE	MS-201	SUR	19930529	
	18MS(1)A-8	PIPE TO ELL	MS-201	VOL	19930531	
	18MS(1)A-8	PIPE TO ELL	MS-201	SUR	19930531	
	18MS(1)A-9	ELL TO PIPE	MS-201	VOL	19930531	
	18MS(1)A-9	ELL TO PIPE	MS-201	SUR	19930531	
	26MS(1)B-20LU	PIPE LONG SEAM	MS-202	VOL	19930512	
	26MS(1)B-20LU	PIPE LONG SEAM	MS-202	SUR	19930511	
	26MS(1)B-20	PIPE TO PIPE	MS-202	VOL	19930508	
	26MS(1)B-20	PIPE TO PIPE	MS-202	SUR	19930507	
	26MS(1)B-20LD	PIPE LONG SEAM	MS-202	VOL	19930512	
	26MS(1)B-20LD	PIPE LONG SEAM	MS-202	SUR	19930511	

TABLE I
EXAMINATIONS COMPLETED DURING
OUTAGE RF93A

CODE CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ISI DRAWING	METHOD	EXAM DATE	NOTES
C-F-2	26MS(1)B-20/3V-20	DRAIN CONN	MS-202	SUR	19930513	
	26MS(1)C-20/3V-20	DRAIN CONN	MS-203	SUR	19930513	
	24MS(1)-2	PIPE TO VALVE	MS-205	VOL	19930513	
	24MS(1)-2	PIPE TO VALVE	MS-205	SUR	19930513	
	8CRD(12)A-18/2FLG	PIPET TO EL	CRD-201	SUR	19930518	
	8CRD(12)A-22/2FLG	PIPET TO EL	CRD-201	SUR	19930519	
	8CRD(12)B-18/2FLG	PIPET TO EL	CRD-202	SUR	19930520	
	8CRD(12)B-22/2FLG	PIPET TO EL	CRD-202	SUR	19930520	
	COUNT =	70				
D-A	RCC-PB-303(H)	HYDRO TEST BNDY	RCC-303	VT-2	19930301	
	RCC-PB-304(H)	HYDRO TEST BNDY	RCC-304	VT-2	19930301	
	MSRV-1B-2(W)	WELDED ATTACH	MS-305	VT-3	19930517	
	MS-281(W)	WELDED ATTACH	MS-305	VT-3	19930515	
	MS-282(W)	WELDED ATTACH	MS-305	VT-3	19930515	
	COUNT =	5				
D-B	SW-59(W)	WELDED ATTACH	SW-301	VT-3	19930508	
	SW-62(W)	WELDED ATTACH	SW-301	VT-3	19930508	
	SW-63(W)	WELDED ATTACH	SW-301	VT-3	19930508	
	SW-64(W)	WELDED ATTACH	SW-301	VT-3	19930508	
	SW-66(W)	WELDED ATTACH	SW-301	VT-3	19930508	
	SW-71(W)	WELDED ATTACH	SW-301	VT-3	19930508	
	SW-173(W)	WELDED ATTACH	SW-301	VT-3	19930508	
	SW-68(W)	WELDED ATTACH	SW-301	VT-3	19930508	
	SW-70(W)	WELDED ATTACH	SW-301	VT-3	19930510	
	SW-73(W)	WELDED ATTACH	SW-301	VT-3	19930510	
	SW-200(W)	WELDED ATTACH	SW-301	VT-3	19930510	
	SW-434(W)	WELDED ATTACH	SW-301	VT-3	19930510	

TABLE I
EXAMINATIONS COMPLETED DURING
OUTAGE RF93A

CODE CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ISI DRAWING	METHOD	EXAM DATE	NOTES
D-B	SW-122(W)	WELDED ATTACH	SW-301	VT-3	19930513	
	SW-123(W)	WELDED ATTACH	SW-301	VT-3	19930513	(1)
	SW-358(W)	WELDED ATTACH	SW-304	VT-3	19930429	
	SW-357(W)	WELDED ATTACH	SW-304	VT-3	19930429	
	SW-356(W)	WELDED ATTACH	SW-304	VT-3	19930429	
	SW-354(W)	WELDED ATTACH	SW-304	VT-3	19930429	
	SW-426(W)	WELDED ATTACH	SW-304	VT-3	19930429	
	SW-355(W)	WELDED ATTACH	SW-304	VT-3	19930429	
	SW-22(W)	WELDED ATTACH	SW-305	VT-3	19930513	
	SW-308(W)	WELDED ATTACH	SW-306	VT-3	19930429	
	SW-307(W)	WELDED ATTACH	SW-306	VT-3	19930429	
	SW-266(W)	WELDED ATTACH	SW-306	VT-3	19930429	
	SW-267(W)	WELDED ATTACH	SW-306	VT-3	19930429	
	SW-292(W)	WELDED ATTACH	SW-306	VT-3	19930429	
	SW-293(W)	WELDED ATTACH	SW-306	VT-3	19930429	
	SW-294(W)	WELDED ATTACH	SW-306	VT-3	19930429	
	SW-306(W)	WELDED ATTACH	SW-306	VT-3	19930429	
	SW-302(W)	WELDED ATTACH	SW-306	VT-3	19930429	
	SW-312(W)	WELDED ATTACH	SW-306	VT-3	19930429	
	SW-80(W)	WELDED ATTACH	SW-307	VT-3	19930511	
	SW-81(W)	WELDED ATTACH	SW-307	VT-3	19930511	
	SW-914N(W)	WELDED ATTACH	SW-307	VT-3	19930511	
	SW-917N(W)	WELDED ATTACH	SW-307	VT-3	19930511	
	SW-83(W)	WELDED ATTACH	SW-307	VT-3	19930513	
	SW-84(W)	WELDED ATTACH	SW-307	VT-3	19930511	
	SW-195(W)	WELDED ATTACH	SW-307	VT-3	19930514	
	SW-943N(W)	WELDED ATTACH	SW-307	VT-3	19930429	
	SW-19(W)	WELDED ATTACH	SW-307	VT-3	19930430	
	SW-919N(W)	WELDED ATTACH	SW-307	VT-3	19930504	
	SW-921N(W)	WELDED ATTACH	SW-307	VT-3	19930504	
	SW-922N(W)	WELDED ATTACH	SW-307	VT-3	19930430	

TABLE I
EXAMINATIONS COMPLETED DURING
OUTAGE RF93A

CODE CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ISI DRAWING	METHOD	EXAM DATE	NOTES
D-B	SW-923N(W)	WELDED ATTACH	SW-307	VT-3	19930504	
	SW-924N(W)	WELDED ATTACH	SW-307	VT-3	19930504	
	SW-925N(W)	WELDED ATTACH	SW-307	VT-3	19930504	
	SW-926N(W)	WELDED ATTACH	SW-307	VT-3	19930504	
	SW-927N(W)	WELDED ATTACH	SW-307	VT-3	19930504	
	SW-928N(W)	WELDED ATTACH	SW-307	VT-3	19930430	
	SW-929N(W)	WELDED ATTACH	SW-307	VT-3	19930430	
	SW-935N(W)	WELDED ATTACH	SW-307	VT-3	19930430	
	SW-13(W)	WELDED ATTACH	SW-309	VT-3	19930429	
	SW-966N(W)	WELDED ATTACH	SW-312	VT-3	19930514	
	SW-1022N(W)	WELDED ATTACH	SW-313	VT-3	19930513	
	SW-1032N(W)	WELDED ATTACH	SW-313	VT-3	19930513	
	SW-954N(W)	WELDED ATTACH	SW-314	VT-3	19930513	
	CCH-PB(H)	HYDRO PB	N/A	VT-2	19930528	
	COUNT =	57				
D-C	FPC-64(W)	WELDED ATTACH	FPC-301	VT-3	19930514	(1)
	FPC-PB-301(H)	HYDRO PRES BNDR	FPC-301	VT-2	19930301	R9SCH
	FPC-PB-302(H)	HYDRO PRES BNDR	FPC-302	VT-2	19930301	R9SCH
	FPC-PB-303(H)	HYDRO PRES BNDR	FPC-303	VT-2	19930301	R9SCH
	FPC-PB-304(H)	HYDRO PRES BNDR	FPC-304	VT-2	19930301	R9SCH
	FPC-48(W)	WELDED ATTACH	FPC-307	VT-3	19930514	
	FPC-50(W)	WELDED ATTACH	FPC-307	VT-3	19930514	
	FPC-PB-307(H)	HYDRO PRES BNDR	FPC-307	VT-2	19930301	R9SCH
	FPC-PB-309(H)	HYDRO PRES BNDR	FPC-308	VT-2	19930514	
	FPC-PB-310(H)	HYDRO PRES BNDR	FPC-308	VT-2	19930514	
	FPC-PB-311(H)	HYDRO PRES BNDR	FPC-308	VT-2	19930514	
	FPC-PB-324(H)	HYDRO PRES BNDR	FPC-308	VT-2	19930514	
	FPC-PB-325(H)	HYDRO PRES BNDR	FPC-308	VT-2	19930514	
	FPC-PB-326(H)	HYDRO PRES BNDR	FPC-308	VT-2	19930514	
	COUNT =	14				

TABLE I
EXAMINATIONS COMPLETED DURING
OUTAGE RF93A

CODE CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ISI DRAWING	METHOD	EXAM DATE	NOTES
IWF	RHR-520	SPRING	RCIC-102	VT3H	19930514	
	RHR-979N	STRUT	RCIC-102	VT3H	19930514	
	RCIC-102	STRUT	RCIC-102	VT3H	19930514	
	RCIC-103	STRUT	RCIC-102	VT3H	19930514	
	RCIC-104	SPRING	RCIC-102	VT3H	19930514	
	RCIC-942N	SPRING	RCIC-102	VT3H	19930515	
	RCIC-939N	STRUT	RCIC-102	VT3H	19930515	
	RCIC-56	SPRING	RCIC-204	VT3H	19930430	
	RCIC-47	BOX	RCIC-204	VT3H	19930430	
	RCIC-902N	SPRING	RCIC-204	VT3H	19930511	
	RCIC-53	SPRING	RCIC-204	VT3H	19930405	
	RCIC-901N	STRUT	RCIC-204	VT3H	19930430	
	HPCS-31	STRUT	HPCS-202	VT3H	19930505	
	HPCS-32	SPRING	HPCS-202	VT3H	19930505	
	HPCS-33	BOX/STRUT	HPCS-202	VT3H	19930505	
	HPCS-34	SPRING	HPCS-202	VT3H	19930505	
	HPCS-921N	STRUT	HPCS-205	VT3H	19930501	
	HPCS-12	STRUT	HPCS-205	VT3H	19930501	
	HPCS-922N	STRUT	HPCS-205	VT3H	19930430	
	LPCS-13	SPRING	LPCS-101	VT3H	19930511	
	RHR-504	SPRING	RHR-105	VT3H	19930512	
	RHR-SA-40	PSA-10 SNUBBER	RHR-105	VT3H	19930512	
	RHR-SA-39	PSA-10 SN(2)	RHR-105	VT3H	19930512	
	RHR-SA-38	PSA-10 SNUBBER	RHR-105	VT3H	19930512	
	RHR-506	SPRING	RHR-105	VT3H	19930512	
	RHR-SA-36	PSA-35 SNUBBER	RHR-105	VT3H	19930512	
	RHR-SA-35	PSA-10 SNUBBER	RHR-105	VT3H	19930512	
	RHR-159	STRUT	RHR-201	VT3H	19930430	
	RHR-161	SPRING	RHR-201	VT3H	19930430	
	RHR-162	STRUT	RHR-201	VT3H	19930430	
	RHR-163	STRUT	RHR-201	VT3H	19930430	

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EXAMINATIONS COMPLETED DURING
OUTAGE RF93A

CODE CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ISI DRAWING	METHOD	EXAM DATE	NOTES
IWF	RHR-164	STRUT	RHR-201	VT3H	19930430	
	RHR-165	STRUT	RHR-201	VT3H	19930430	
	RHR-188	SPRING	RHR-201	VT3H	19930430	
	RHR-970N	ANCHOR	RHR-201	VT3H	19930504	
	RHR-419	PSA-3 SN(2)	RHR-203	VT3H	19930504	
	RHR-130	BOX	RHR-206	VT3H	19930503	
	RHR-131	STRUT	RHR-206	VT3H	19930501	
	RHR-432	SPRING	RHR-206	VT3H	19930501	
	RHR-132	ANCHOR	RHR-206	VT3H	19930503	
	RHR-916N	RIGID	RHR-206	VT3H	19930503	
	RHR-55	BOX	RHR-206	VT3H	19930503	
	RHR-493	SPRING	RHR-207	VT3H	19930505	
	RHR-495	PSA-35 SN(2)	RHR-207	VT3H	19930510	
	RHR-494	PSA-10 SNUBBER	RHR-207	VT3H	19930505	
	RHR-496	PSA-10 SNUBBER	RHR-207	VT3H	19930505	
	RHR-497	SPRING	RHR-207	VT3H	19930505	
	RHR-323	SPRING	RHR-210	VT3H	19930501	
	RHR-1021N	PSA-3 SN(2)	RHR-210	VT3H	19930501	
	RHR-322	BOX	RHR-210	VT3H	19930501	
	RHR-321	SPRING	RHR-210	VT3H	19930501	
	RHR-311	PSA-3 SN(2)	RHR-210	VT3H	19930501	
	RHR-303	SPRING	RHR-210	VT3H	19930501	
	RHR-302	STRUT	RHR-210	VT3H	19930501	
	RHR-301	PSA-3 SNUBBER	RHR-210	VT3H	19930501	
	RHR-304	STRUT	RHR-210	VT3H	19930501	
	RHR-298	BOX/STRUT	RHR-210	VT3H	19930501	
	RHR-324	STRUT	RHR-210	VT3H	19930501	
	RHR-337	STRUT	RHR-210	VT3H	19930501	
	RHR-338	SPRING	RHR-210	VT3H	19930501	
	RHR-973N	ANCHOR	RHR-210	VT3H	19930517	
	RHR-972N	BOX	RHR-210	VT3H	19930501	

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EXAMINATIONS COMPLETED DURING
OUTAGE RF93A

CODE CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ISI DRAWING	METHOD	EXAM DATE	NOTES
IWF	RHR-345	PSA-1 SN(2)	RHR-210	VT3H	19930501	
	RHR-347	BOX	RHR-210	VT3H	19930501	
	RHR-346	STRUT	RHR-210	VT3H	19930501	
	RHR-348	SPRING	RHR-210	VT3H	19930501	
	RHR-349	SPRING	RHR-210	VT3H	19930501	
	RHR-296	SPRING	RHR-210	VT3H	19930501	
	RHR-295	BOX	RHR-210	VT3H	19930501	
	RHR-98	STRUT	RHR-210	VT3H	19930505	
	RHR-97	BOX	RHR-210	VT3H	19930505	
	RHR-96	BOX	RHR-210	VT3H	19930505	
	RHR-95	SPRING	RHR-210	VT3H	19930505	
	RHR-94	STRUT	RHR-210	VT3H	19930505	
	RHR-90	BOX	RHR-210	VT3H	19930506	
	RHR-91	STRUT	RHR-210	VT3H	19930506	
	RHR-996N	ANCHOR	RHR-210	VT3H	19930507	
	RHR-318	RIGID	RHR-210	VT3H	19930501	
	RHR-319	RIGID	RHR-210	VT3H	19930501	
	RHR-997N	ANCHOR	RHR-210	VT3H	19930517	
	RHR-320	SPRING	RHR-210	VT3H	19930501	
	RHR-905N	STRUT	RHR-211	VT3H	19930501	
	RHR-900N	STRUT	RHR-211	VT3H	19930501	
	RHR-47	STRUT	RHR-211	VT3H	19930501	
	RHR-46	BOX	RHR-211	VT3H	19930501	
	RHR-966N	ANCHOR	RHR-211	VT3H	19930501	
	RHR-41	BOX	RHR-211	VT3H	19930501	
	RHR-139	SPRING	RHR-211	VT3H	19930501	
	RHR-40	STRUT	RHR-211	VT3H	19930501	
	RHR-39	PSA-3 SN(2)	RHR-211	VT3H	19930501	
	RHR-35	SPRING	RHR-211	VT3H	19930501	
	RHR-37	BOX	RHR-211	VT3H	19930501	
	RHR-51	STRUT	RHR-211	VT3H	19930430	

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EXAMINATIONS COMPLETED DURING
OUTAGE RF93A

CODE CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ISI DRAWING	METHOD	EXAM DATE	NOTES
IWF	RHR-50	PSA-3 SNB/STRUT	RHR-211	VT3H	19930430	
	RHR-42	PSA-3 SNUBBER	RHR-211	VT3H	19930501	
	RHR-43	SPRING	RHR-211	VT3H	19930501	
	RHR-395	SPRING	RHR-212	VT3H	19930430	
	RHR-391	ANCHOR	RHR-212	VT3H	19930430	
	RHR-392	BOX	RHR-212	VT3H	19930430	
	RHR-393	BOX	RHR-212	VT3H	19930430	
	RHR-394	SPRING	RHR-212	VT3H	19930430	
	RHR-954N	PSA-1 SN(2)	RHR-216	VT3H	19930504	
	RHR-940N	PSA-3 SN(2)	RHR-224	VT3H	19930504	
	RHR-959N	PSA-3 SN(2)	RHR-224	VT3H	19930504	
	RHR-934N	SPRING	RHR-224	VT3H	19930504	
	RHR-987N	RIGID	RHR-232	VT3H	19930504	
	MS-SA-4	STRUT	MS-101	VT3H	19930512	
	MS-HA-2	SPRING (2)	MS-101	VT3H	19930512	
	MS-HB-1	SPRING (2)	MS-102	VT3H	19930515	
	MS-SB-7	RIGID STRUT	MS-102	VT3H	19930515	
	MS-SD-4	STRUT	MS-104	VT3H	19930513	
	MS-HD-2	SPRING (2)	MS-104	VT3H	19930513	
	MS-SD-1	STRUT	MS-104	VT3H	19930513	
	MS-SD-2	STRUT	MS-104	VT3H	19930513	
	MS-2619-16	STRUT	MS-106	VT3H	19930503	
	MS-2619-17	SPRING	MS-106	VT3H	19930503	
	MS-2619-21	STRUT	MS-106	VT3H	19930517	
	MS-2619-211	SPRING	MS-106	VT3H	19930517	
	MS-2619-22	RIGID	MS-106	VT3H	19930517	
	MS-2619-24	RIGID	MS-106	VT3H	19930517	
	MS-137	SPRING	MS-201	VT3H	19930505	
	MS-123	STRUT	MS-201	VT3H	19930518	
	MS-121	SPRING (2)	MS-201	VT3H	19930520	
	MS-120	SPRING (2)	MS-201	VT3H	19930520	

TABLE I
EXAMINATIONS COMPLETED DURING
OUTAGE RF93A

CODE CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ISI DRAWING	METHOD	EXAM DATE	NOTES
IWF	MS-119	STRUT	MS-201	VT3H	19930520	
	MS-118	STRUT	MS-201	VT3H	19930520	
	MS-115	SPRING (2)	MS-201	VT3H	19930520	
	MS-103	BOX	MS-201	VT3H	19930520	
	MS-101	SPRING (2)	MS-201	VT3H	19930520	
	MS-100	STRUT	MS-201	VT3H	19930520	
	MS-992N	BOX	MS-201	VT3H	19930520	
	MS-98	STRUT	MS-201	VT3H	19930520	
	MS-97	SPRING (2)	MS-201	VT3H	19930520	
	MS-139	SPRING	MS-201	VT3H	19930520	
	MS-140	STRUT	MS-201	VT3H	19930520	
	MS-94	BOX	MS-201	VT3H	19930520	
	MS-95	STRUT	MS-201	VT3H	19930520	
	MS-96	PSA-10 SN(2)	MS-201	VT3H	19930520	
	MS-93	SPRING (2)	MS-201	VT3H	19930520	
	MS-924N	SPRING	MS-201	VT3H	19930520	
	MS-91	PSA-3 SN(2)	MS-201	VT3H	19930520	
	MS-174	PSA-35 SNUBBER	MS-202	VT3H	19930518	
	MS-173	SPRING	MS-202	VT3H	19930520	
	MS-171	SPRING	MS-202	VT3H	19930518	
	MS-997N	STRUT	MS-202	VT3H	19930518	
	MS-998N	PSA-10 SN(2)	MS-202	VT3H	19930518	
	MS-170	SPRING (2)	MS-202	VT3H	19930520	
	MS-168	STRUT	MS-202	VT3H	19930520	
	MS-167	PSA-10 SN(2)	MS-202	VT3H	19930520	
	MS-996N	PSA-10 SN(2)	MS-202	VT3H	19930520	
	MS-163	SPRING (2)	MS-202	VT3H	19930520	
	MS-160	STRUT	MS-202	VT3H	19930520	
	MS-162	PSA-10 SN(2)	MS-202	VT3H	19930520	
	MS-157	STRUT	MS-202	VT3H	19930520	
	MS-154	RIGID	MS-202	VT3H	19930520	

TABLE I
EXAMINATIONS COMPLETED DURING
OUTAGE RF93A

CODE CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ISI DRAWING	METHOD	EXAM DATE	NOTES
IWF	MS-177	PSA-3 SN(2)	MS-202	VT3H	19930520	
	MS-147	PSA-35 SN(2)	MS-202	VT3H	19930520	
	MS-148	PSA-10 SNUBBER	MS-202	VT3H	19930520	
	MS-145	PSA-10 SNUBBER	MS-202	VT3H	19930520	
	MS-921N	STRUT	MS-203	VT3H	19930520	
	MS-38	PSA-10 SN(2)	MS-203	VT3H	19930520	
	MS-37	SPRING (2)	MS-203	VT3H	19930520	
	MS-1001N	PSA-35 SNUBBER	MS-203	VT3H	19930520	
	MS-36	STRUT	MS-203	VT3H	19930520	
	MS-1000N	STRUT	MS-203	VT3H	19930520	
	MS-34	STRUT	MS-203	VT3H	19930520	
	MS-33	SPRING (2)	MS-203	VT3H	19930520	
	MS-999N	PSA-10 SNUBBER	MS-203	VT3H	19930520	
	MS-48	PSA-3 SNUBBER	MS-203	VT3H	19930520	
	MS-994N	BOX	MS-203	VT3H	19930520	
	MS-27	PSA-10 SN(2)	MS-203	VT3H	19930520	
	MS-26	STRUT	MS-203	VT3H	19930522	
	MS-63	SPRING (2)	MS-204	VT3H	19930520	
	MS-906N	STRUT(2)	MS-204	VT3H	19930520	
	MS-62	SPRING (2)	MS-204	VT3H	19930520	
	MS-61	STRUT	MS-204	VT3H	19930520	
	MS-1009N	RIGID	MS-204	VT3H	19930520	
	MS-59	STRUT	MS-204	VT3H	19930520	
	MS-57	STRUT	MS-204	VT3H	19930522	
	MS-53	STRUT	MS-204	VT3H	19930522	
	MS-54	STRUT	MS-204	VT3H	19930522	
	MS-51	SPRING (2)	MS-204	VT3H	19930522	
	MS-1005N	PSA-35 SNUBBER	MS-204	VT3H	19930522	
	MS-50	SPRING	MS-204	VT3H	19930522	
	RFW-164	STRUT	RFW-102	VT3H	19930513	
	RRC-SA-65	PSA-35 SNUBBER	RRC-101	VT3H	19930515	

TABLE I
EXAMINATIONS COMPLETED DURING
OUTAGE RF93A

CODE CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ISI DRAWING	METHOD	EXAM DATE	NOTES
IWF	RRC-SA-7	PSA-35 SNUBBER	RRC-101	VT3H	19930515	
	RRC-SA-15	PSA-35 SNUBBER	RRC-101	VT3H	19930515	
	RRC-SA-8	PSA-35 SNUBBER	RRC-101	VT3H	19930515	
	RRC-SA-9	PSA-35 SNUBBER	RRC-101	VT3H	19930515	
	RRC-SA-17	PSA-35 SNUBBER	RRC-101	VT3H	19930515	
	RRC-SA-18	PSA-35 SNUBBER	RRC-101	VT3H	19930515	
	RRC-HB-7	SPRING	RRC-102	VT3H	19930515	
	RRC-HB-9	SPRING	RRC-102	VT3H	19930515	
	RRC-SB-13	PSA-35 SNUBBER	RRC-102	VT3H	19930515	
	RRC-SB-11	PSA-35 SNUBBER	RRC-102	VT3H	19930515	
	RRC-HB-8	SPRING	RRC-102	VT3H	19930515	
	RRC-SB-14	PSA-35 SNUBBER	RRC-102	VT3H	19930515	
	RHR-SA-30	PSA-10 SN(2)	RRC-106	VT3H	19930515	
	RHR-SA-31	PSA-10 SNUBBER	RRC-106	VT3H	19930515	
	RRC-9	SPRING	RRC-106	VT3H	19930515	
	RRC-6	SPRING	RRC-109	VT3H	19930517	
	RRC-1C-6PS	STRUT	RRC-109	VT3H	19930517	
	RRC-4470-31	PSA-1 SNUBBER	RRC-111	VT3H	19930517	
	RWCU-1C-17	PSA-1 SN(2)	RWCU-101	VT3H	19930512	
	RWCU-144	SPRING	RWCU-101	VT3H	19930512	
	RWCU-143	SPRING	RWCU-101	VT3H	19930512	
	RWCU-146	SPRING	RWCU-101	VT3H	19930512	
	RWCU-1C-7PS	STRUT	RWCU-101	VT3H	19930512	
	RWCU-145	SPRING	RWCU-101	VT3H	19930512	
	RWCU-1C-7	PSA-3 SNUBBER	RWCU-101	VT3H	19930512	
	RWCU-1C-6	PSA-3 SNUBBER	RWCU-101	VT3H	19930513	
	RWCU-1C-8	PSA-3 SNUBBER	RWCU-101	VT3H	19930513	
	RWCU-1C-5PS	STRUT	RWCU-101	VT3H	19930513	
	RWCU-1C-5	PSA-3 SNUBBER	RWCU-101	VT3H	19930513	
	RWCU-1C-3PS	STRUT	RWCU-101	VT3H	19930513	
	RWCU-1C-1	STRUT	RWCU-101	VT3H	19930521	

TABLE I
EXAMINATIONS COMPLETED DURING
OUTAGE RF93A

CODE CATEGORY	IDENTIFICATION NO.	DESCRIPTION	ISI DRAWING	METHOD	EXAM DATE	NOTES
IWF	RWCU-927N	PSA-3 SNUBBER	RWCU-301	VT3H	19930524	
	RWCU-928N	PSA-10 SNUBBER	RWCU-301	VT3H	19930524	
	SW-938N	BOX	SW-303	VT3H	19930509	
	SW-936N	BOX	SW-303	VT3H	19930509	
	SW RING HDR B(CS)	RING HDR SUPPT	SW-303	VT3H	19930509	
	SW-920N	BOX	SW-307	VT3H	19930510	
	FPC-243	BOX	FPC-305	VT3H	19930521	
	FPC-244	BOX	FPC-305	VT3H	19930521	
	FPC-245	BOX	FPC-305	VT3H	19930521	
	FPC-246	BOX	FPC-305	VT3H	19930521	
	FPC-247	BOX	FPC-305	VT3H	19930521	
	FPC-248	BOX	FPC-305	VT3H	19930521	
	MS-272.	SPRING	MS-303	VT3H	19930517	
	MS-273	SPRING	MS-303	VT3H	19930517	
	MS-274	SPRING	MS-303	VT3H	19930515	
	MS-275	SPRING	MS-303	VT3H	19930515	
	MSRV-3A-7PS	RIGID	MS-303	VT3H	19930515	
	MSRV-4B-5	RIGID STRUT	MS-308	VT3H	19930515	
	MSRV-4B-7	RIGID STRUT	MS-308	VT3H	19930515	
	COUNT =	236				
N/A	JET PUMP BEAMS	JP HLD DWN BMS	RPV-101	VT-1	19930601	(6)
	JET PUMP BEAMS	JP HLD DWN BMS	RPV-101	VOL	19930526	(6)
	JET PUMP SENSING LINES	JP SENSING LINE	RPV-101	VT-1	19930601	(7)
	CORE SPRAY SPARGERS	CORE SPRAY SPG	RPV-101	VT-1	19930601	(8)
	STEAM DRYER	STEAM DRYER	RPV-101	VT-3	19930601	
	16LPCS(1)-5	PIPE TO ELL	LPCS-202	THK	19930529	(9)
	RWCU THRM SLEEVE	THERMAL SLEEVE	RWCU-301	VOL	19930524	(10)
	24CSP(1)-2	ELL TO TEE	MISC	VOL	19930506	(11)
	COUNT =	8				

TOTAL COUNT = 732

Table II
Snubber Testing Summary

TABLE II
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-2					
PSA-3 SNUBBER	3934	19930508	ACC		NO
DE-2839-14B					
PSA-1/4 SNUBBER	399	19930508	ACC		NO
FPC-918N					
PSA-1 SNUBBER	114	19930508	ACC		NO
LPCS-28					
PSA-3 SNUBBER	3891	19930507	ACC		NO
MD-1285-14A					
PSA-1/2 SNUBBER	2473	19930510	ACC		NO
MD-1285-14A					
PSA-1/2 SNUBBER	4011	19930507	ACC	2473	NO
MS-1002N NORTH					
PSA-10 SN(2)	9900	19930507	ACC		NO
MS-114 SOUTH					
PSA-10 SN(2)	285	19930507	ACC		NO
MS-177 NORTH					
PSA-3 SN(2)	1071	19930507	ACC		NO
MS-4448-46					
PSA-1/4 SNUBBER	433	19930503	ACC		NO
MS-72					
PSA-35 SNUBBER	8691	19930506	ACC		NO

TABLE II
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-91 WEST					
PSA-3 SN(2)	2793	19930507	ACC		NO
MSLC-2821-22					
PSA-1 SNUBBER	581	19930503	ACC		NO
MSRV-2B-3					
PSA-35 SNUBBER	10729	19930504	ACC		NO
MSRV-2D-2					
PSA-10 SNUBBER	326	19930504	ACC		NO
MSRV-3B-2					
PSA-10 SNUBBER	316	19930504	ACC		NO
MSRV-4D-2					
PSA-10 SNUBBER	9933	19930504	ACC		NO
MSRV-5C-2					
PSA-10 SNUBBER	4872	19930504	ACC		NO
RCIC-2562-25					
PSA-1/2 SNUBBER	2462	19930507	ACC		NO
RFW-929N					
PSA-10 SNUBBER	279	19930504	ACC		NO
RHR-150 NORTH/WE					
PSA-3 SN(2)	504	19930507	ACC		NO
RHR-345 EAST					
PSA-1 SN(2)	571	19930507	ACC		NO

TABLE II
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
RRC-SA-17					
PSA-35 SNUBBER	4217	19930505	ACC		NO
RRC-SB-16 EAST					
PSA-35 SN(2)	4222	19930506	ACC		NO
RRC-SB-3					
PSA-100 SNUBBER	617	19930504	ACC		NO
RWCU-1C-8					
PSA-3 SNUBBER	2587	19930503	ACC		NO
SGT-11 BOTTOM					
PSA-10 SN(2)	7787	19930507	ACC		NO

TOTAL COUNT = 38

Table III
Significant Indications

Data Sheet No.	Identification No.	Description	Remarks
1RIU-056	4RCIC(13)-13	Pipe to Penetration	180 to 0 deg 159% DAC Root Geom.
1MSU-072	26MS(1)B-20	Pipe to Pipe	ID Geom at varying amplitudes.
1RHM-077	20RHR(8)A-17	Elbow to Pipe	270 to 315 deg 5.3" x .1" broad and fuzzy. Supplemental examination indicate non-relevant
R-R8-111	20RRC(6)-8	Pipe to Valve	Planar indication 3.6" long x 17.5% of wall. Acceptable for one operating cycle
1HV-0249	SW RING HDR	Ring Hdr Support	Corrosion pitting 1/2" dia 200 mil deep. Acceptable by IOM SS2-PE-88-0507
1HV-0248	RCIC-53	Spring	Spring settings exceed 10% of Drawing. Acceptable by engineering evaluation.

APPENDIX A

NIS-1 Owner's Data Report for Inservice Inspection

WASHINGTON PUBLIC POWER
SUPPLY SYSTEM

INTEROFFICE MEMORANDUM

DATE: September 9, 1993

TO: J. V. Parrish, Asst. Managing Director, Operations (1023)

FROM: J. H. Swailes, WNP-2 Plant Manager (927M)

SUBJECT: **DELEGATION OF AUTHORITY**

REFERENCE: None

During my absence from the Supply System from 2400 hours September 9 to September 11, 1993, J. R. Sampson is delegated to act as the WNP-2 Plant Manager, and M. J. Mann is delegated to act as the Plant Emergency Director (PED). For the periods of September 12-21 and 23-27, 1993, inclusive, G. O. Smith is delegated to act as WNP-2 Plant Manager with R. L. Webring delegated for Wednesday, September 22, 1993. Messrs. Sampson, Mann, Smith and Webring will have the full authority of the positions ***with the exception of personnel and/or salary actions.***

Should my return be delayed, this delegation will continue in effect until my actual return.

dm

<u>Distribution</u>

Distribution A
JP Albers (927K)
MJ Mann (927O)
MM Monopoli (927S)
JF Peters (927S)
JR Sampson (927S)
GO Smith (927O)
RL Webring (PE27)
Payroll (090)
Travel (090)
JHS/lb (927M)

FORM NIS-1 OWNERS' DATA REPORT FOR INSERVICE INSPECTIONS

As required by the Provisions of the ASME Code Rules

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, WA
(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
Lg Bore Pipe	Bechtel	(1)	N/A	N/A
Note (1): The	pipe examined is listed	on Pages 3-24		

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.

FORM NIS-1 (back)

8. Examination Dates 7/19/92 to 6/21/93 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 90% of required examinations for this inspection interval are complete. See Page 3-24 for list of examinations completed at this refueling outage.

11. Abstract of Conditions Noted. The indication in Weld 20RRC(6)-8, found at R-6, was resized. No significant change was noted.

12. Abstract of Corrective Measures Recommended and Taken The results of Weld 20RRC(6)-8 resizing were within the bounds of the analysis performed at R-6 for continued operation.

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.

DPR Date SEPT 10 19 93 Signed WPPSS Owner By J. Swailes

ALSO SEE SUMMARY REPORT DATED 9/8/93 APPROVALS

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

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. INS. of NORWOOD, MASS. have inspected the components described in this Owners' Data Report during the period 7/19/92 to 6/21/93, 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 ENG. ASSOC.

Date 9/13 19 93

Inspector's Signature Commissions 9556W NBI

National Board, State, Province and No.

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	AA	BTM HD-SC#1 WD	B1.11	VOL	RPV-101
	AB	#1-#2 SC CRC WD	B1.11	VOL	RPV-101
	AC	#2-#3 SC CRC WD	B1.11	VOL	RPV-101
	BA	#1 SC VRT WD@45	B1.12	VOL	RPV-101
	BB	#1 SC VRT W@135	B1.12	VOL	RPV-101
	BC	#1 SC VRT W@225	B1.12	VOL	RPV-101
	BD	#1 SC VRT W@315	B1.12	VOL	RPV-101
	BE	#2 SC VRT W@ 10	B1.12	VOL	RPV-101
	BF	#2 SC VRT W@100	B1.12	VOL	RPV-101
	BG	#2 SC VRT W@190	B1.12	VOL	RPV-101
	BH	#2 SC VRT W@280	B1.12	VOL	RPV-101
	BJ	#3 SC VRT W@ 50	B1.12	VOL	RPV-101
	BK	#3 SC VRT W@170	B1.12	VOL	RPV-101
	BM	#3 SC VRT W@290	B1.12	VOL	RPV-101
	BN	#4 SC VRT W@330	B1.12	VOL	RPV-101
	BP	#4 SC VRT W@ 90	B1.12	VOL	RPV-101
	BR	#4 SC VRT W@210	B1.12	VOL	RPV-101
	MRP-1	REPAIR AREA	B1.51	VOL	RPV-101
	DA	BOT HD MRD @272	B1.22	VOL	RPV-102
	DB	BOT HD MRD @332	B1.22	VOL	RPV-102
	DC	BOT HD MRD @ 32	B1.22	VOL	RPV-102
	DD	BOT HD MRD @ 92	B1.22	VOL	RPV-102
	DE	BOT HD MRD @152	B1.22	VOL	RPV-102
	DF	BOT HD MRD @212	B1.22	VOL	RPV-102
	AJ	BOT HD DOL WELD	B1.21	VOL	RPV-102
	DG	BOT HD DOL /270	B1.21	VOL	RPV-102
	DR	BOT HD DOL / 90	B1.21	VOL	RPV-102
B-D	N4-30-IR	FW NZ-IR @ 30	B3.100	VOL	RPV-101
	N4-30-NB	FW NZ BORE @ 30	B3.100	VOL	RPV-101
B-F	12RHR(1)A-14	VALVE TO SE	B5.50	VOL	RHR-105
	12RHR(1)A-14	VALVE TO SE	B5.50	SUR	RHR-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-F	12RFW(1)AC-12	SE/STUB TO SE	B5.10	VOL	RFW-101
	12RFW(1)AC-13	SE TO N4	B5.10	VOL	RFW-101
	4RRC(4)B-12	SE TO VALVE	B5.50	VOL	RRC-109
	4RRC(4)B-12	SE TO VALVE	B5.50	SUR	RRC-109
B-G-1	RPV STUD 35-1-7A	RPV STUD	B6.30	VOL	RPV-101
	RPV STUD 35-1-7A	RPV STUD	B6.30	SUR	RPV-101
	RPV STUD 35-1-14A	RPV STUD	B6.30	VOL	RPV-101
	RPV STUD 35-1-14A	RPV STUD	B6.30	SUR	RPV-101
	RPV STUD 35-1-21A	RPV STUD	B6.30	VOL	RPV-101
	RPV STUD 35-1-21A	RPV STUD	B6.30	SUR	RPV-101
	RPV STUD 35-1-28A	RPV STUD	B6.30	VOL	RPV-101
	RPV STUD 35-1-28A	RPV STUD	B6.30	SUR	RPV-101
	RPV STUD 35-1-35A	RPV STUD	B6.30	VOL	RPV-101
	RPV STUD 35-1-35A	RPV STUD	B6.30	SUR	RPV-101
	RPV STUD 35-1-42A	RPV STUD	B6.30	VOL	RPV-101
	RPV STUD 35-1-42A	RPV STUD	B6.30	SUR	RPV-101
	RPV STUD 35-1-49A	RPV STUD	B6.30	VOL	RPV-101
	RPV STUD 35-1-49A	RPV STUD	B6.30	SUR	RPV-101
	RPV STUD 35-1-56A	RPV STUD	B6.30	VOL	RPV-101
	RPV STUD 35-1-56A	RPV STUD	B6.30	SUR	RPV-101
	RPV STUD 35-1-63A	RPV STUD	B6.30	VOL	RPV-101
	RPV STUD 35-1-63A	RPV STUD	B6.30	SUR	RPV-101
	RPV STUD 35-1-70A	RPV STUD	B6.30	VOL	RPV-101
	RPV STUD 35-1-70A	RPV STUD	B6.30	SUR	RPV-101
	RPV NUT 36-1-7A	RPV NUT	B6.10	VOL	RPV-101
	RPV NUT 36-1-7A	RPV NUT	B6.10	SUR	RPV-101
	RPV NUT 36-1-14A	RPV NUT	B6.10	VOL	RPV-101
	RPV NUT 36-1-14A	RPV NUT	B6.10	SUR	RPV-101
	RPV NUT 36-1-21A	RPV NUT	B6.10	VOL	RPV-101
	RPV NUT 36-1-21A	RPV NUT	B6.10	SUR	RPV-101
	RPV NUT 36-1-28A	RPV NUT	B6.10	VOL	RPV-101
	RPV NUT 36-1-28A	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.	
B-G-1	RPV NUT 36-1-35A	RPV NUT	B6.10	VOL	RPV-101	
	RPV NUT 36-1-35A	RPV NUT	B6.10	SUR	RPV-101	
	RPV NUT 36-1-42A	RPV NUT	B6.10	VOL	RPV-101	
	RPV NUT 36-1-42A	RPV NUT	B6.10	SUR	RPV-101	
	RPV NUT 36-1-49A	RPV NUT	B6.10	VOL	RPV-101	
	RPV NUT 36-1-49A	RPV NUT	B6.10	SUR	RPV-101	
	RPV NUT 36-1-56A	RPV NUT	B6.10	VOL	RPV-101	
	RPV NUT 36-1-56A	RPV NUT	B6.10	SUR	RPV-101	
	RPV NUT 36-1-63A	RPV NUT	B6.10	VOL	RPV-101	
	RPV NUT 36-1-63A	RPV NUT	B6.10	SUR	RPV-101	
	RPV NUT 36-1-70A	RPV NUT	B6.10	VOL	RPV-101	
	RPV NUT 36-1-70A	RPV NUT	B6.10	SUR	RPV-101	
	RPV WASHERS	RPV WASHER-76EA	B6.50	VT-1	RPV-101	see note 1
B-G-2	RCIC-V-13-BLT	VALVE BOLTING	B7.70	VT-1	RCIC-102	
	RCIC-V-65-BLT	VALVE BOLTING	B7.70	VT-1	RCIC-102	
	6RCIC(1)-28BD	FLANGE BOLTING	B7.50	VT-1	RCIC-102	
	6RCIC(1)-31BU	FLANGE BOLTING	B7.50	VT-1	RCIC-102	
	6RCIC(1)-41ABD	FLANGE BOLTING	B7.50	VT-1	RCIC-102	
	6RCIC(1)-44BD	FLANGE BOLTING	B7.50	VT-1	RCIC-102	
	RHR-V-41A-BLT	VALVE BOLTING	B7.70	VT-1	RHR-101	
	RHR-V-42C-BLT	VALVE BOLTING	B7.70	VT-1	RHR-103	
	RHR-V-41C-BLT	VALVE BOLTING	B7.70	VT-1	RHR-103	
	RHR-V-111C-BLT	VALVE BOLTING	B7.70	VT-1	RHR-103	
	RHR-V-112A-BLT	VALVE BOLTING	B7.70	VT-1	RHR-105	
	RHR-V-112B-BLT	VALVE BOLTING	B7.70	VT-1	RHR-106	
	MS-V-22A-BLT	VALVE BOLTING	B7.70	VT-1	MS-101	
	MS-V-28A-BLT	VALVE BOLTING	B7.70	VT-1	MS-101	
	4MS(12)-1BD	FLANGE BOLTING	B7.50	VT-1	MS-106	
	4RRC(8)2A-2BD	FLANGE BOLTING	B7.50	VT-1	RRC-101	
	4RRC(8)1A-2BD	FLANGE BOLTING	B7.50	VT-1	RRC-101	
	RRC-V-67A-BLT	VALVE BOLTING	B7.70	VT-1	RRC-101	
	4RWCU(3)-4BD	FLANGE BOLTING	B7.50	VT-1	RWCU-101	

Note 1: Examined washers for RPV studs 7A,14A,21A,28A,35A,42A,49A,56A,63A,70A

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-G-2	RWCU-V-100-BLT	VALVE BOLTING	B7.70	VT-1	RWCU-101
	4RWCU(3)-10BD	FLANGE BOLTING	B7.50	VT-1	RWCU-101
	RWCU-V-4-BLT	VALVE BOLTING	B7.70	VT-1	RWCU-101
B-H	CG	SKIRT KNUCKLE	B8.10	SUR	RPV-101
B-J	6SPARE-1	SPARE NZ-FLANGE	B9.11	VOL	RPV-102
	4RCIC(13)-12	PIPE TO PIPE	B9.11	VOL	RCIC-101
	4RCIC(13)-13	PIPE TO PEN	B9.11	VOL	RCIC-101
	4RCIC(13)-14	PEN TO ELL	B9.11	VOL	RCIC-101
	4RCIC(13)-14	PEN TO ELL	B9.11	SUR	RCIC-101
	4RCIC(13)-15	ELL TO PIPE	B9.11	VOL	RCIC-101
	4RCIC(13)-15	ELL TO PIPE	B9.11	SUR	RCIC-101
	4RCIC(13)-16	PIPE TO ELL	B9.11	VOL	RCIC-101
	4RCIC(13)-16	PIPE TO ELL	B9.11	SUR	RCIC-101
	4RCIC(13)-17	ELL TO PIPE	B9.11	VOL	RCIC-101
	4RCIC(13)-17	ELL TO PIPE	B9.11	SUR	RCIC-101
	4RCIC(13)-18	PIPE TO PIPE	B9.11	VOL	RCIC-101
	4RCIC(13)-19	PIPE TO VLV	B9.11	VOL	RCIC-101
	4RCIC(13)-19	PIPE TO VLV	B9.11	SUR	RCIC-101
	6RCIC(1)-13	VLV TO PIPE	B9.11	VOL	RCIC-102
	6RCIC(1)-13	VLV TO PIPE	B9.11	SUR	RCIC-102
	6RCIC(1)-14	PIPE TO ELL	B9.11	VOL	RCIC-102
	6RCIC(1)-14	PIPE TO ELL	B9.11	SUR	RCIC-102
	6RCIC(1)-45	FLG TO NOZZLE	B9.11	VOL	RCIC-102
	14LPCI(1)B-4	PIPE TO ELL	B9.11	VOL	RHR-102
	14LPCI(1)B-4	PIPE TO ELL	B9.11	SUR	RHR-102
	14LPCI(1)B-5	ELL TO PEN	B9.11	VOL	RHR-102
	14LPCI(1)B-5	ELL TO PEN	B9.11	SUR	RHR-102
	14LPCI(1)C-1	VLV TO PIPE	B9.11	VOL	RHR-103
	14LPCI(1)C-1	VLV TO PIPE	B9.11	SUR	RHR-103
	14LPCI(1)C-8	ELL TO PEN	B9.11	VOL	RHR-103
	14LPCI(1)C-8	ELL TO PEN	B9.11	SUR	RHR-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.
B-J	20RHR(2)-5	ELL TO PIPE	B9.11	VOL	RHR-104
	20RHR(2)-5	ELL TO PIPE	B9.11	SUR	RHR-104
	12RHR(1)A-10	ELL TO PIPE	B9.11	VOL	RHR-105
	12RHR(1)A-10	ELL TO PIPE	B9.11	SUR	RHR-105
	12RHR(1)A-13	PIPE TO VALVE	B9.11	VOL	RHR-105
	12RHR(1)A-13	PIPE TO VALVE	B9.11	SUR	RHR-105
	12RHR(1)B-1	VLV TO PEN	B9.11	VOL	RHR-106
	12RHR(1)B-1	VLV TO PEN	B9.11	SUR	RHR-106
	12RHR(1)B-7	PIPE TO ELL	B9.11	VOL	RHR-106
	12RHR(1)B-7	PIPE TO ELL	B9.11	SUR	RHR-106
	12RHR(1)B-9	PIPE TO VLV	B9.11	VOL	RHR-106
	12RHR(1)B-9	PIPE TO VLV	B9.11	SUR	RHR-106
	12RHR(1)B-12LUO	ELL SEAM	B9.12	VOL	RHR-106
	12RHR(1)B-12LUO	ELL SEAM	B9.12	SUR	RHR-106
	12RHR(1)B-12	ELL TO PIPE	B9.11	SUR	RHR-106
	12RHR(1)B-13	PIPE TO VLV	B9.11	VOL	RHR-106
	12RHR(1)B-13	PIPE TO VLV	B9.11	SUR	RHR-106
	26MS(1)A-7/8MSR-4A	PIPE TO SWL	B9.31	VOL	MS-101
	26MS(1)A-7/8MSR-4A	PIPE TO SWL	B9.31	SUR	MS-101
	26MS(1)A-7/8MSR-3A	PIPE TO SWL	B9.31	VOL	MS-101
	26MS(1)A-7/8MSR-3A	PIPE TO SWL	B9.31	SUR	MS-101
	26MS(1)D-7/8MSR-4D	PIPE TO SWL	B9.31	VOL	MS-104
	26MS(1)D-7/8MSR-4D	PIPE TO SWL	B9.31	SUR	MS-104
	26MS(1)D-7/8MSR-3D	PIPE TO SWL	B9.31	VOL	MS-104
	26MS(1)D-7/8MSR-3D	PIPE TO SWL	B9.31	SUR	MS-104
	26MS(1)D-7/8MSR-2D	PIPE TO SWL	B9.31	VOL	MS-104
	26MS(1)D-7/8MSR-2D	PIPE TO SWL	B9.31	SUR	MS-104
	26MS(1)D-7/8MSR-1D	PIPE TO SWL	B9.31	VOL	MS-104
	26MS(1)D-7/8MSR-1D	PIPE TO SWL	B9.31	SUR	MS-104
	26MS(1)D-8	PIPE TO ELL	B9.11	VOL	MS-104
	26MS(1)D-8	PIPE TO ELL	B9.11	SUR	MS-104
	26MS(1)D-8LDI	ELL SEAM	B9.12	VOL	MS-104
	26MS(1)D-8LDI	ELL SEAM	B9.12	SUR	MS-104

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-J	26MS(1)D-8LDO	ELL SEAM	B9.12	VOL	MS-104
	26MS(1)D-8LDO	ELL SEAM	B9.12	SUR	MS-104
	26MS(1)D-9LUI	ELL SEAM	B9.12	VOL	MS-104
	26MS(1)D-9LUI	ELL SEAM	B9.12	SUR	MS-104
	26MS(1)D-9LUO	ELL SEAM	B9.12	VOL	MS-104
	26MS(1)D-9LUO	ELL SEAM	B9.12	SUR	MS-104
	26MS(1)D-9	ELL TO PIPE	B9.11	VOL	MS-104
	26MS(1)D-9	ELL TO PIPE	B9.11	SUR	MS-104
	26MS(1)D-16	VALVE TO PENE	B9.11	VOL	MS-104
	26MS(1)D-16	VALVE TO PENE	B9.11	SUR	MS-104
	26MS(1)D-17	PENE TO PIPE	B9.11	VOL	MS-104
	MS-V-28D/2MS(9)-4	DRAIN CONN	B9.11	SUR	MS-104
	4MS(12)-2	FLANGE/REDUCER	B9.11	VOL	MS-106
	24RFW(1)A-1	VALVE TO PIPE	B9.11	VOL	RFW-101
	24RFW(1)A-1/5RFW(11)-4	PIPE TO WOL	B9.31	VOL	RFW-101
	5RFW(11)A-2	SLEEVE TO WOL	B9.11	VOL	RFW-101
	5RFW(11)A-2	SLEEVE TO WOL	B9.11	SUR	RFW-101
	24RFW(1)A-2	PIPE TO VALVE	B9.11	VOL	RFW-101
	24RFW(1)A-3	VALVE TO PENE	B9.11	VOL	RFW-101
	24RFW(1)A-5	VALVE TO PIPE	B9.11	VOL	RFW-101
	24RFW(1)A-6	PIPE TO ELL	B9.11	VOL	RFW-101
	24RFW(1)A-7	ELL TO PIPE	B9.11	VOL	RFW-101
	24RFW(1)A-8	PIPE TO VALVE	B9.11	VOL	RFW-101
	24RFW(1)A-8	PIPE TO VALVE	B9.11	SUR	RFW-101
	24RFW(1)A-15	PIPE TO TEE	B9.11	VOL	RFW-101
	24RFW(1)A-17	PIPE TO REDUCER	B9.11	VOL	RFW-101
	24RFW(1)A-17	PIPE TO REDUCER	B9.11	SUR	RFW-101
	18RFW(1)A-1	REDUCER TO PIPE	B9.11	VOL	RFW-101
	18RFW(1)A-1	REDUCER TO PIPE	B9.11	SUR	RFW-101
	18RFW(1)A-2	PIPE TO TEE	B9.11	VOL	RFW-101
	18RFW(1)A-2	PIPE TO TEE	B9.11	SUR	RFW-101
	18RFW(1)A-4	PIPE TO REDUCER	B9.11	VOL	RFW-101
	18RFW(1)A-4	PIPE TO REDUCER	B9.11	SUR	RFW-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.
B-J	24RFW(1)B-1	VALVE TO PIPE	B9.11	VOL	RFW-102
	24RFW(1)B-1/5RFW(11)-4	PIPE TO WOL	B9.31	VOL	RFW-102
	5RFW(11)B-2	SLEEVE TO WOL	B9.11	VOL	RFW-102
	24RFW(1)B-2	PIPE TO VALVE	B9.11	VOL	RFW-102
	24RFW(1)B-3	VALVE TO PENE	B9.11	VOL	RFW-102
	24RFW(1)B-8	PIPE TO VALVE	B9.11	VOL	RFW-102
	12RFW(1)BF-2	PIPE TO ELL	B9.11	VOL	RFW-102
	12RFW(1)BF-2	PIPE TO ELL	B9.11	SUR	RFW-102
	12RFW(1)BF-7	PIPE TO ELL	B9.11	VOL	RFW-102
	12RFW(1)BF-7	PIPE TO ELL	B9.11	SUR	RFW-102
	12RFW(1)BF-8	ELL TO PIPE	B9.11	VOL	RFW-102
	12RFW(1)BF-8	ELL TO PIPE	B9.11	SUR	RFW-102
	24RFW(1)B-17	PIPE TO REDUCER	B9.11	VOL	RFW-102
	24RFW(1)B-17	PIPE TO REDUCER	B9.11	SUR	RFW-102
	18RFW(1)B-1	REDUCER TO PIPE	B9.11	VOL	RFW-102
	18RFW(1)B-1	REDUCER TO PIPE	B9.11	SUR	RFW-102
	18RFW(1)B-4	PIPE TO REDUCER	B9.11	VOL	RFW-102
	18RFW(1)B-4	PIPE TO REDUCER	B9.11	SUR	RFW-102
	24RRC(1)A-20/12RRC(7)-4S	PIPE TO SWL	B9.31	VOL	RRC-101
	24RRC(1)A-20/12RRC(7)-4S	PIPE TO SWL	B9.31	SUR	RRC-101
	24RRC(2)B-8/4RRC(8)-4S	PIPE TO SWL	B9.31	VOL	RRC-102
	24RRC(2)B-8/4RRC(8)-4S	PIPE TO SWL	B9.31	SUR	RRC-102
	4RRC(8)2B-1	SWL TO PIPE	B9.11	VOL	RRC-102
	4RRC(8)2B-1	SWL TO PIPE	B9.11	SUR	RRC-102
	4RRC(8)2B-2	PIPE TO FLANGE	B9.11	VOL	RRC-102
	4RRC(8)2B-2	PIPE TO FLANGE	B9.11	SUR	RRC-102
	24RRC(2)B-8/4RRC(4)-4S	PIPE TO SWL	B9.31	VOL	RRC-102
	24RRC(2)B-8/4RRC(4)-4S	PIPE TO SWL	B9.31	SUR	RRC-102
	24RRC(2)B-9	PIPE TO ELL	B9.11	VOL	RRC-102
	24RRC(2)B-9LDO	ELL SEAM	B9.12	VOL	RRC-102
	24RRC(2)B-9LDI	ELL SEAM	B9.12	VOL	RRC-102
	24RRC(2)B-10LUO	ELL SEAM	B9.12	VOL	RRC-102
	24RRC(2)B-10LUI	ELL SEAM	B9.12	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.
B-J	24RRC(2)B-10	ELL TO PUMP	B9.11	VOL	RRC-102
	24RRC(1)B-11	PUMP TO PIPE	B9.11	VOL	RRC-102
	24RRC(1)B-11LD	PIPE SEAM	B9.12	VOL	RRC-102
	4RRC(8)1B-1	SWL TO PIPE	B9.11	VOL	RRC-102
	4RRC(8)1B-1	SWL TO PIPE	B9.11	SUR	RRC-102
	4RRC(8)1B-2	PIPE TO FLANGE	B9.11	VOL	RRC-102
	4RRC(8)1B-2	PIPE TO FLANGE	B9.11	SUR	RRC-102
	24RRC(1)B-18/12RRC(7)-4S	PIPE TO SWL	B9.31	VOL	RRC-102
	24RRC(1)B-18/12RRC(7)-4S	PIPE TO SWL	B9.31	SUR	RRC-102
	16RRC(1)B-1	CROSS TO PIPE	B9.11	VOL	RRC-102
	16RRC(1)B-1/12RRC(1)-N2G	PIPE TO SWL	B9.31	VOL	RRC-102
	16RRC(1)B-1/12RRC(1)-N2G	PIPE TO SWL	B9.31	SUR	RRC-102
	16RRC(1)B-1/12RRC(1)-N2F	PIPE TO SWL	B9.31	VOL	RRC-102
	16RRC(1)B-1/12RRC(1)-N2F	PIPE TO SWL	B9.31	SUR	RRC-102
	16RRC(1)B-3/12RRC(1)-N2J	PIPE TO SWL	B9.31	VOL	RRC-102
	16RRC(1)B-3/12RRC(1)-N2J	PIPE TO SWL	B9.31	SUR	RRC-102
	16RRC(1)B-3/12RRC(1)-N2K	PIPE TO SWL	B9.31	VOL	RRC-102
	16RRC(1)B-3/12RRC(1)-N2K	PIPE TO SWL	B9.31	SUR	RRC-102
	12RRC(1)-N2H-1	REDUCER TO PIPE	B9.11	VOL	RRC-102
	12RRC(1)-N2H-1LD	PIPE SEAM	B9.12	VOL	RRC-102
	20RRC(6)-8	PIPE TO VALVE	B9.11	VOL	RRC-105
	12RRC(7)B-2LDI	ELL SEAM	B9.12	VOL	RRC-107
	12RRC(7)B-2LDI	ELL SEAM	B9.12	SUR	RRC-107
	12RRC(7)B-2LDO	ELL SEAM	B9.12	VOL	RRC-107
	12RRC(7)B-2LDO	ELL SEAM	B9.12	SUR	RRC-107
	12RRC(7)B-3LUI	ELL SEAM	B9.12	VOL	RRC-107
	12RRC(7)B-3LUI	ELL SEAM	B9.12	SUR	RRC-107
	12RRC(7)B-3LUO	ELL SEAM	B9.12	VOL	RRC-107
	12RRC(7)B-3LUO	ELL SEAM	B9.12	SUR	RRC-107
	12RRC(7)B-3	ELL TO PIPE	B9.11	VOL	RRC-107
	12RRC(7)B-3	ELL TO PIPE	B9.11	SUR	RRC-107
	12RRC(7)B-3LD	PIPE SEAM	B9.12	VOL	RRC-107
	12RRC(7)B-3LD	PIPE SEAM	B9.12	SUR	RRC-107

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-J	4RRC(4)B-4	PIPE TO TEE	B9.11	VOL	RRC-109
	4RRC(4)B-5	TEE TO PIPE	B9.11	VOL	RRC-109
	4RRC(4)B-10	ELL TO PIPE	B9.11	VOL	RRC-109
	4RRC(4)B-10	ELL TO PIPE	B9.11	SUR	RRC-109
	6RWCU(3)-20	PIPE TO VALVE	B9.11	VOL	RWCU-101
	6RWCU(3)-21	VALVE TO PIPE	B9.11	VOL	RWCU-101
	6RWCU(3)-22	PIPE TO PENE	B9.11	VOL	RWCU-101
	6RWCU(3)-23	PEN TO ELL	B9.11	VOL	RWCU-101
	6RWCU(3)-24	ELL TO PIPE	B9.11	VOL	RWCU-101
	6RWCU(3)-25	PIPE TO ELL	B9.11	VOL	RWCU-101
	6RWCU(3)-26	ELL TO PIPE	B9.11	VOL	RWCU-101
B-K-1	RCIC-1C-2(W)	8 WELDED LUGS	B10.10	SUR	RCIC-101
	RHR-231(W)	4 WELDED LUGS	B10.10	SUR	RHR-101
	RHR-483(W)	4 WELDED LUGS	B10.10	SUR	RHR-102
	MS FLUED HEAD B	FLUED HEAD WELD	B10.10	SUR	MS-102
	MS-HD-2(W)	4 WELDED LUGS	B10.10	SUR	MS-104
	MS FLUED HEAD D	FLUED HEAD WELD	B10.10	SUR	MS-104
	RFW-186(W)	6 WELDED LUGS	B10.10	SUR	RFW-101
	RFW-159(W)	4 WELDED LUGS	B10.10	SUR	RFW-101
	RFW-162(W)	6 WELDED LUGS	B10.10	SUR	RFW-102
	RFW-183(W)	4 WELDED LUGS	B10.10	SUR	RFW-102
	RRC-SA-2(W)	4 WELDED LUGS	B10.10	SUR	RRC-101
	RRC-SA-1(W)	4 WELDED LUGS	B10.10	SUR	RRC-101
	RRC-SB-16(W)	8 WELDED LUGS	B10.10	SUR	RRC-102
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

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-P	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
	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-C	RHR-188(W)	4 WELDED LUGS	C3.40	SUR	RHR-201
	RHR-419(W)	4 WELDED LUGS	C3.40	SUR	RHR-203
	RHR-420(W)	4 WELDED LUGS	C3.40	SUR	RHR-203
	RHR-76(W)	4 WELDED LUGS	C3.40	SUR	RHR-205
	RHR-917N(W)	4 WELDED LUGS	C3.40	SUR	RHR-205

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.
C-C	RHR-918N(W)	8 WELDED LUGS	C3.40	SUR	RHR-207
	RHR-924N(W)	4 WELDED LUGS	C3.40	SUR	RHR-207
	RHR-495(W)	8 WELDED LUGS	C3.40	SUR	RHR-207
	RHR-185(W)	4 WELDED LUGS	C3.40	SUR	RHR-207
	RHR-218(W)	8 WELDED LUGS	C3.40	SUR	RHR-207
	RHR-184(W)	16 WELDED LUGS	C3.40	SUR	RHR-207
	MS-71(W)	2 WELDED LUGS	C3.40	SUR	MS-204
C-F-2	6RCIC(6)-1	TEE TO PIPE	C5.51	VOL	RCIC-205
	10HPCS(9)-1	TEE TO PIPE	C5.51	VOL	HPCS-202
	18RHR(1)A-4	PIPE TO ELL	C5.51	VOL	RHR-201
	18RHR(1)A-4	PIPE TO ELL	C5.51	SUR	RHR-201
	18RHR(1)A-5	ELL TO PIPE	C5.51	VOL	RHR-201
	18RHR(1)A-5	ELL TO PIPE	C5.51	SUR	RHR-201
	18RHR(1)A-6	PIPE TO ELL	C5.51	VOL	RHR-201
	18RHR(1)A-6	PIPE TO ELL	C5.51	SUR	RHR-201
	18RHR(1)A-21	PIPE TO TEE	C5.51	VOL	RHR-201
	18RHR(1)A-21	PIPE TO TEE	C5.51	SUR	RHR-201
	18RHR(2)A-12	PIPE TO TEE	C5.51	VOL	RHR-205
	18RHR(2)A-12	PIPE TO TEE	C5.51	SUR	RHR-205
	24RHR(2)A-2	TEE TO PIPE	C5.51	VOL	RHR-205
	24RHR(2)A-2	TEE TO PIPE	C5.51	SUR	RHR-205
	24RHR(2)A-6	FLANGE TO ELL	C5.51	VOL	RHR-205
	24RHR(2)A-6	FLANGE TO ELL	C5.51	SUR	RHR-205
	24RHR(3)A-10	ELL TO TEE	C5.51	VOL	RHR-205
	24RHR(3)A-10	ELL TO TEE	C5.51	SUR	RHR-205
	20RHR(8)A-1B	FLANGE TO PIPE	C5.51	VOL	RHR-206
	20RHR(8)A-1B	FLANGE TO PIPE	C5.51	SUR	RHR-206
	20RHR(8)A-4	PIPE TO PIPE	C5.51	VOL	RHR-206
	20RHR(8)A-4	PIPE TO PIPE	C5.51	SUR	RHR-206
	20RHR(8)A-17	ELL TO PIPE	C5.51	VOL	RHR-206
	20RHR(8)A-17	ELL TO PIPE	C5.51	SUR	RHR-206
	14RHR(1)C-1	RED TO PIPE	C5.51	VOL	RHR-210

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.
C-F-2	14RHR(1)C-1	RED TO PIPE	C5.51	SUR	RHR-210
	14RHR(1)C-6	PIPE TO PIPE	C5.51	VOL	RHR-210
	14RHR(1)C-6	PIPE TO PIPE	C5.51	SUR	RHR-210
	24RHR(3)-2	VALVE TO PIPE	C5.51	VOL	RHR-211
	24RHR(3)-2	VALVE TO PIPE	C5.51	SUR	RHR-211
	24RHR(3)-2/3(17)-1	BRANCH CONN	C5.81	SUR	RHR-211
	24RHR(3)-6	ELL TO PIPE	C5.51	VOL	RHR-211
	24RHR(3)-6	ELL TO PIPE	C5.51	SUR	RHR-211
	24RHR(3)-8	ELL TO PIPE	C5.51	VOL	RHR-211
	24RHR(3)-8	ELL TO PIPE	C5.51	SUR	RHR-211
	26MS(1)A-19/3V-20	DRAIN CONN	C5.81	SUR	MS-201
	30MS(1)A-7LU	PIPE LONG SEAM	C5.52	VOL	MS-201
	30MS(1)A-7LU	PIPE LONG SEAM	C5.52	SUR	MS-201
	30MS(1)A-7	PIPE TO ELL	C5.51	VOL	MS-201
	30MS(1)A-7	PIPE TO ELL	C5.51	SUR	MS-201
	30MS(1)A-7LDI	ELL SEAM	C5.52	VOL	MS-201
	30MS(1)A-7LDI	ELL SEAM	C5.52	SUR	MS-201
	30MS(1)A-7LDO	ELL SEAM	C5.52	VOL	MS-201
	30MS(1)A-7LDO	ELL SEAM	C5.52	SUR	MS-201
	30MS(1)A-16LUO	ELL SEAM	C5.52	VOL	MS-201
	30MS(1)A-16LUO	ELL SEAM	C5.52	SUR	MS-201
	30MS(1)A-16	ELL TO PIPE	C5.51	VOL	MS-201
	30MS(1)A-16	ELL TO PIPE	C5.51	SUR	MS-201
	30MS(1)A-16LD	PIPE LONG SEAM	C5.52	VOL	MS-201
	30MS(1)A-16LD	PIPE LONG SEAM	C5.52	SUR	MS-201
	18MS(1)A-3	ELL TO PIPE	C5.51	VOL	MS-201
	18MS(1)A-3	ELL TO PIPE	C5.51	SUR	MS-201
	18MS(1)A-8	PIPE TO ELL	C5.51	VOL	MS-201
	18MS(1)A-8	PIPE TO ELL	C5.51	SUR	MS-201
	18MS(1)A-9	ELL TO PIPE	C5.51	VOL	MS-201
	18MS(1)A-9	ELL TO PIPE	C5.51	SUR	MS-201
	26MS(1)B-20LU	PIPE LONG SEAM	C5.52	VOL	MS-202
	26MS(1)B-20LU	PIPE LONG SEAM	C5.52	SUR	MS-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.
C-F-2	26MS(1)B-20	PIPE TO PIPE	C5.51	VOL	MS-202
	26MS(1)B-20	PIPE TO PIPE	C5.51	SUR	MS-202
	26MS(1)B-20LD	PIPE LONG SEAM	C5.52	VOL	MS-202
	26MS(1)B-20LD	PIPE LONG SEAM	C5.52	SUR	MS-202
	26MS(1)B-20/3V-20	DRAIN CONN	C5.81	SUR	MS-202
	26MS(1)C-20/3V-20	DRAIN CONN	C5.81	SUR	MS-203
	24MS(1)-2	PIPE TO VALVE	C5.51	VOL	MS-205
	24MS(1)-2	PIPE TO VALVE	C5.51	SUR	MS-205
	8CRD(12)A-18/2FLG	PIPET TO EL	C5.70	SUR	CRD-201
	8CRD(12)A-22/2FLG	PIPET TO EL	C5.70	SUR	CRD-201
	8CRD(12)B-18/2FLG	PIPET TO EL	C5.70	SUR	CRD-202
	8CRD(12)B-22/2FLG	PIPET TO EL	C5.70	SUR	CRD-202
D-A	RCC-PB-303(H)	HYDRO TEST BNDY	D1.10	VT-2	RCC-303
	RCC-PB-304(H)	HYDRO TEST BNDY	D1.10	VT-2	RCC-304
	MSRV-1B-2(W)	WELDED ATTACH	D1.30	VT-3	MS-305
	MS-281(W)	WELDED ATTACH	D1.40	VT-3	MS-305
	MS-282(W)	WELDED ATTACH	D1.40	VT-3	MS-305
D-B	SW-59(W)	WELDED ATTACH	D2.20	VT-3	SW-301
	SW-62(W)	WELDED ATTACH	D2.20	VT-3	SW-301
	SW-63(W)	WELDED ATTACH	D2.20	VT-3	SW-301
	SW-64(W)	WELDED ATTACH	D2.20	VT-3	SW-301
	SW-66(W)	WELDED ATTACH	D2.20	VT-3	SW-301
	SW-71(W)	WELDED ATTACH	D2.20	VT-3	SW-301
	SW-173(W)	WELDED ATTACH	D2.20	VT-3	SW-301
	SW-68(W)	WELDED ATTACH	D2.20	VT-3	SW-301
	SW-70(W)	WELDED ATTACH	D2.20	VT-3	SW-301
	SW-73(W)	WELDED ATTACH	D2.20	VT-3	SW-301
	SW-200(W)	WELDED ATTACH	D2.20	VT-3	SW-301
	SW-434(W)	WELDED ATTACH	D2.20	VT-3	SW-301
	SW-122(W)	WELDED ATTACH	D2.40	VT-3	SW-301
	SW-123(W)	WELDED ATTACH	D2.20	VT-3	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.
D-B	SW-358(W)	WELDED ATTACH	D2.20	VT-3	SW-304
	SW-357(W)	WELDED ATTACH	D2.20	VT-3	SW-304
	SW-356(W)	WELDED ATTACH	D2.20	VT-3	SW-304
	SW-354(W)	WELDED ATTACH	D2.20	VT-3	SW-304
	SW-426(W)	WELDED ATTACH	D2.20	VT-3	SW-304
	SW-355(W)	WELDED ATTACH	D2.20	VT-3	SW-304
	SW-22(W)	WELDED ATTACH	D2.40	VT-3	SW-305
	SW-308(W)	WELDED ATTACH	D2.20	VT-3	SW-306
	SW-307(W)	WELDED ATTACH	D2.20	VT-3	SW-306
	SW-266(W)	WELDED ATTACH	D2.20	VT-3	SW-306
	SW-267(W)	WELDED ATTACH	D2.20	VT-3	SW-306
	SW-292(W)	WELDED ATTACH	D2.20	VT-3	SW-306
	SW-293(W)	WELDED ATTACH	D2.20	VT-3	SW-306
	SW-294(W)	WELDED ATTACH	D2.20	VT-3	SW-306
	SW-306(W)	WELDED ATTACH	D2.20	VT-3	SW-306
	SW-302(W)	WELDED ATTACH	D2.20	VT-3	SW-306
	SW-312(W)	WELDED ATTACH	D2.20	VT-3	SW-306
	SW-80(W)	WELDED ATTACH	D2.20	VT-3	SW-307
	SW-81(W)	WELDED ATTACH	D2.20	VT-3	SW-307
	SW-914N(W)	WELDED ATTACH	D2.30	VT-3	SW-307
	SW-917N(W)	WELDED ATTACH	D2.40	VT-3	SW-307
	SW-83(W)	WELDED ATTACH	D2.20	VT-3	SW-307
	SW-84(W)	WELDED ATTACH	D2.20	VT-3	SW-307
	SW-193(W)	WELDED ATTACH	D2.20	VT-3	SW-307
	SW-943N(W)	WELDED ATTACH	D2.20	VT-3	SW-307
	SW-19(W)	WELDED ATTACH	D2.20	VT-3	SW-307
	SW-919N(W)	WELDED ATTACH	D2.20	VT-3	SW-307
	SW-921N(W)	WELDED ATTACH	D2.20	VT-3	SW-307
	SW-922N(W)	WELDED ATTACH	D2.20	VT-3	SW-307
	SW-923N(W)	WELDED ATTACH	D2.20	VT-3	SW-307
	SW-924N(W)	WELDED ATTACH	D2.20	VT-3	SW-307
	SW-925N(W)	WELDED ATTACH	D2.20	VT-3	SW-307
	SW-926N(W)	WELDED ATTACH	D2.20	VT-3	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.
D-B	SW-927N(W)	WELDED ATTACH	D2.20	VT-3	SW-307
	SW-928N(W)	WELDED ATTACH	D2.20	VT-3	SW-307
	SW-929N(W)	WELDED ATTACH	D2.20	VT-3	SW-307
	SW-935N(W)	WELDED ATTACH	D2.20	VT-3	SW-307
	SW-13(W)	WELDED ATTACH	D2.20	VT-3	SW-309
	SW-966N(W)	WELDED ATTACH	D2.20	VT-3	SW-312
	SW-1022N(W)	WELDED ATTACH	D2.20	VT-3	SW-313
	SW-1032N(W)	WELDED ATTACH	D2.20	VT-3	SW-313
	SW-954N(W)	WELDED ATTACH	D2.20	VT-3	SW-314
	CCH-PB(H)	HYDRO PB	D2.10	VT-2	N/A
D-C	FPC-64(W)	WELDED ATTACH	D3.20	VT-3	FPC-301
	FPC-PB-301(H)	HYDRO PRES BNDR	D3.10	VT-2	FPC-301
	FPC-PB-302(H)	HYDRO PRES BNDR	D3.10	VT-2	FPC-302
	FPC-PB-303(H)	HYDRO PRES BNDR	D3.10	VT-2	FPC-303
	FPC-PB-304(H)	HYDRO PRES BNDR	D3.10	VT-2	FPC-304
	FPC-48(W)	WELDED ATTACH	D3.20	VT-3	FPC-307
	FPC-50(W)	WELDED ATTACH	D3.20	VT-3	FPC-307
	FPC-PB-307(H)	HYDRO PRES BNDR	D3.10	VT-2	FPC-307
	FPC-PB-309(H)	HYDRO PRES BNDR	D3.10	VT-2	FPC-308
	FPC-PB-310(H)	HYDRO PRES BNDR	D3.10	VT-2	FPC-308
	FPC-PB-311(H)	HYDRO PRES BNDR	D3.10	VT-2	FPC-308
	FPC-PB-324(H)	HYDRO PRES BNDR	D3.10	VT-2	FPC-308
	FPC-PB-325(H)	HYDRO PRES BNDR	D3.10	VT-2	FPC-308
	FPC-PB-326(H)	HYDRO PRES BNDR	D3.10	VT-2	FPC-308
IWF	RHR-520	SPRING	F-X	VT3H	RCIC-102
	RHR-979N	STRUT	F-X	VT3H	RCIC-102
	RCIC-102	STRUT	F-X	VT3H	RCIC-102
	RCIC-103	STRUT	F-X	VT3H	RCIC-102
	RCIC-104	SPRING	F-X	VT3H	RCIC-102
	RCIC-942N	SPRING	F-X	VT3H	RCIC-102
	RCIC-939N	STRUT	F-X	VT3H	RCIC-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.
IWF	RCIC-56	SPRING	F-X	VT3H	RCIC-204
	RCIC-47	BOX	F-X	VT3H	RCIC-204
	RCIC-902N	SPRING	F-X	VT3H	RCIC-204
	RCIC-53	SPRING	F-X	VT3H	RCIC-204
	RCIC-901N	STRUT	F-X	VT3H	RCIC-204
	HPCS-31	STRUT	F-X	VT3H	HPCS-202
	HPCS-32	SPRING	F-X	VT3H	HPCS-202
	HPCS-33	BOX/STRUT	F-X	VT3H	HPCS-202
	HPCS-34	SPRING	F-X	VT3H	HPCS-202
	HPCS-921N	STRUT	F-X	VT3H	HPCS-205
	HPCS-12	STRUT	F-X	VT3H	HPCS-205
	HPCS-922N	STRUT	F-X	VT3H	HPCS-205
	LPCS-13	SPRING	F-X	VT3H	LPCS-101
	RHR-504	SPRING	F-X	VT3H	RHR-105
	RHR-SA-40	PSA-10 SNUBBER	F-X	VT3H	RHR-105
	RHR-SA-39	PSA-10 SN(2)	F-X	VT3H	RHR-105
	RHR-SA-38	PSA-10 SNUBBER	F-X	VT3H	RHR-105
	RHR-506	SPRING	F-X	VT3H	RHR-105
	RHR-SA-36	PSA-35 SNUBBER	F-X	VT3H	RHR-105
	RHR-SA-35	PSA-10 SNUBBER	F-X	VT3H	RHR-105
	RHR-159	STRUT	F-X	VT3H	RHR-201
	RHR-161	SPRING	F-X	VT3H	RHR-201
	RHR-162	STRUT	F-X	VT3H	RHR-201
	RHR-163	STRUT	F-X	VT3H	RHR-201
	RHR-164	STRUT	F-X	VT3H	RHR-201
	RHR-165	STRUT	F-X	VT3H	RHR-201
	RHR-188	SPRING	F-X	VT3H	RHR-201
	RHR-970N	ANCHOR	F-X	VT3H	RHR-201
	RHR-419	PSA-3 SN(2)	F-X	VT3H	RHR-203
	RHR-130	BOX	F-X	VT3H	RHR-206
	RHR-131	STRUT	F-X	VT3H	RHR-206
	RHR-432	SPRING	F-X	VT3H	RHR-206
	RHR-132	ANCHOR	F-X	VT3H	RHR-206

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.
IWF	RHR-916N	RIGID	F-X	VT3H	RHR-206
	RHR-55	BOX	F-X	VT3H	RHR-206
	RHR-493	SPRING	F-X	VT3H	RHR-207
	RHR-495	PSA-35 SN(2)	F-X	VT3H	RHR-207
	RHR-494	PSA-10 SNUBBER	F-X	VT3H	RHR-207
	RHR-496	PSA-10 SNUBBER	F-X	VT3H	RHR-207
	RHR-497	SPRING	F-X	VT3H	RHR-207
	RHR-323	SPRING	F-X	VT3H	RHR-210
	RHR-1021N	PSA-3 SN(2)	F-X	VT3H	RHR-210
	RHR-322	BOX	F-X	VT3H	RHR-210
	RHR-321	SPRING	F-X	VT3H	RHR-210
	RHR-311	PSA-3 SN(2)	F-X	VT3H	RHR-210
	RHR-303	SPRING	F-X	VT3H	RHR-210
	RHR-302	STRUT	F-X	VT3H	RHR-210
	RHR-301	PSA-3 SNUBBER	F-X	VT3H	RHR-210
	RHR-304	STRUT	F-X	VT3H	RHR-210
	RHR-298	BOX/STRUT	F-X	VT3H	RHR-210
	RHR-324	STRUT	F-X	VT3H	RHR-210
	RHR-337	STRUT	F-X	VT3H	RHR-210
	RHR-338	SPRING	F-X	VT3H	RHR-210
	RHR-973N	ANCHOR	F-X	VT3H	RHR-210
	RHR-972N	BOX	F-X	VT3H	RHR-210
	RHR-345	PSA-1 SN(2)	F-X	VT3H	RHR-210
	RHR-347	BOX	F-X	VT3H	RHR-210
	RHR-346	STRUT	F-X	VT3H	RHR-210
	RHR-348	SPRING	F-X	VT3H	RHR-210
	RHR-349	SPRING	F-X	VT3H	RHR-210
	RHR-296	SPRING	F-X	VT3H	RHR-210
	RHR-295	BOX	F-X	VT3H	RHR-210
	RHR-98	STRUT	F-X	VT3H	RHR-210
	RHR-97	BOX	F-X	VT3H	RHR-210
	RHR-96	BOX	F-X	VT3H	RHR-210
	RHR-95	SPRING	F-X	VT3H	RHR-210

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.
IWF		RHR-94	STRUT	F-X	VT3H	RHR-210
		RHR-90	BOX	F-X	VT3H	RHR-210
		RHR-91	STRUT	F-X	VT3H	RHR-210
		RHR-996N	ANCHOR	F-X	VT3H	RHR-210
		RHR-318	RIGID	F-X	VT3H	RHR-210
		RHR-319	RIGID	F-X	VT3H	RHR-210
		RHR-997N	ANCHOR	F-X	VT3H	RHR-210
		RHR-320	SPRING	F-X	VT3H	RHR-210
		RHR-905N	STRUT	F-X	VT3H	RHR-211
		RHR-900N	STRUT	F-X	VT3H	RHR-211
		RHR-47	STRUT	F-X	VT3H	RHR-211
		RHR-46	BOX	F-X	VT3H	RHR-211
		RHR-966N	ANCHOR	F-X	VT3H	RHR-211
		RHR-41	BOX	F-X	VT3H	RHR-211
		RHR-139	SPRING	F-X	VT3H	RHR-211
		RHR-40	STRUT	F-X	VT3H	RHR-211
		RHR-39	PSA-3 SN(2)	F-X	VT3H	RHR-211
		RHR-35	SPRING	F-X	VT3H	RHR-211
		RHR-37	BOX	F-X	VT3H	RHR-211
		RHR-51	STRUT	F-X	VT3H	RHR-211
		RHR-50	PSA-3 SNB/STRUT	F-X	VT3H	RHR-211
		RHR-42	PSA-3 SNUBBER	F-X	VT3H	RHR-211
		RHR-43	SPRING	F-X	VT3H	RHR-211
		RHR-395	SPRING	F-X	VT3H	RHR-212
		RHR-391	ANCHOR	F-X	VT3H	RHR-212
		RHR-392	BOX	F-X	VT3H	RHR-212
		RHR-393	BOX	F-X	VT3H	RHR-212
		RHR-394	SPRING	F-X	VT3H	RHR-212
		RHR-954N	PSA-1 SN(2)	F-X	VT3H	RHR-216
		RHR-940N	PSA-3 SN(2)	F-X	VT3H	RHR-224
		RHR-959N	PSA-3 SN(2)	F-X	VT3H	RHR-224
		RHR-934N	SPRING	F-X	VT3H	RHR-224
		RHR-987N	RIGID	F-X	VT3H	RHR-232

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.
IWF	MS-SA-4	STRUT	F-X	VT3H	MS-101
	MS-HA-2	SPRING (2)	F-X	VT3H	MS-101
	MS-HB-1	SPRING (2)	F-X	VT3H	MS-102
	MS-SB-7	RIGID STRUT	F-X	VT3H	MS-102
	MS-SD-4	STRUT	F-X	VT3H	MS-104
	MS-HD-2	SPRING (2)	F-X	VT3H	MS-104
	MS-SD-1	STRUT	F-X	VT3H	MS-104
	MS-SD-2	STRUT	F-X	VT3H	MS-104
	MS-2619-16	STRUT	F-X	VT3H	MS-106
	MS-2619-17	SPRING	F-X	VT3H	MS-106
	MS-2619-21	STRUT	F-X	VT3H	MS-106
	MS-2619-211	SPRING	F-X	VT3H	MS-106
	MS-2619-22	RIGID	F-X	VT3H	MS-106
	MS-2619-24	RIGID	F-X	VT3H	MS-106
	MS-137	SPRING	F-X	VT3H	MS-201
	MS-123	STRUT	F-X	VT3H	MS-201
	MS-121	SPRING (2)	F-X	VT3H	MS-201
	MS-120	SPRING (2)	F-X	VT3H	MS-201
	MS-119	STRUT	F-X	VT3H	MS-201
	MS-118	STRUT	F-X	VT3H	MS-201
	MS-115	SPRING (2)	F-X	VT3H	MS-201
	MS-103	BOX	F-X	VT3H	MS-201
	MS-101	SPRING (2)	F-X	VT3H	MS-201
	MS-100	STRUT	F-X	VT3H	MS-201
	MS-992N	BOX	F-X	VT3H	MS-201
	MS-98	STRUT	F-X	VT3H	MS-201
	MS-97	SPRING (2)	F-X	VT3H	MS-201
	MS-139	SPRING	F-X	VT3H	MS-201
	MS-140	STRUT	F-X	VT3H	MS-201
	MS-94	BOX	F-X	VT3H	MS-201
	MS-95	STRUT	F-X	VT3H	MS-201
	MS-96	PSA-10 SN(2)	F-X	VT3H	MS-201
	MS-93	SPRING (2)	F-X	VT3H	MS-201

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.
IWF	MS-924N	SPRING	F-X	VT3H	MS-201
	MS-91	PSA-3 SN(2)	F-X	VT3H	MS-201
	MS-174	PSA-35 SNUBBER	F-X	VT3H	MS-202
	MS-173	SPRING	F-X	VT3H	MS-202
	MS-171	SPRING	F-X	VT3H	MS-202
	MS-997N	STRUT	F-X	VT3H	MS-202
	MS-998N	PSA-10 SN(2)	F-X	VT3H	MS-202
	MS-170	SPRING (2)	F-X	VT3H	MS-202
	MS-168	STRUT	F-X	VT3H	MS-202
	MS-167	PSA-10 SN(2)	F-X	VT3H	MS-202
	MS-996N	PSA-10 SN(2)	F-X	VT3H	MS-202
	MS-163	SPRING (2)	F-X	VT3H	MS-202
	MS-160	STRUT	F-X	VT3H	MS-202
	MS-162	PSA-10 SN(2)	F-X	VT3H	MS-202
	MS-157	STRUT	F-X	VT3H	MS-202
	MS-154	RIGID	F-X	VT3H	MS-202
	MS-177	PSA-3 SN(2)	F-X	VT3H	MS-202
	MS-147	PSA-35 SN(2)	F-X	VT3H	MS-202
	MS-148	PSA-10 SNUBBER	F-X	VT3H	MS-202
	MS-145	PSA-10 SNUBBER	F-X	VT3H	MS-202
	MS-921N	STRUT	F-X	VT3H	MS-203
	MS-38	PSA-10 SN(2)	F-X	VT3H	MS-203
	MS-37	SPRING (2)	F-X	VT3H	MS-203
	MS-1001N	PSA-35 SNUBBER	F-X	VT3H	MS-203
	MS-36	STRUT	F-X	VT3H	MS-203
	MS-1000N	STRUT	F-X	VT3H	MS-203
	MS-34	STRUT	F-X	VT3H	MS-203
	MS-33	SPRING (2)	F-X	VT3H	MS-203
	MS-999N	PSA-10 SNUBBER	F-X	VT3H	MS-203
	MS-48	PSA-3 SNUBBER	F-X	VT3H	MS-203
	MS-994N	BOX	F-X	VT3H	MS-203
	MS-27	PSA-10 SN(2)	F-X	VT3H	MS-203
	MS-26	STRUT	F-X	VT3H	MS-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.
IWF	MS-63	SPRING (2)	F-X	VT3H	MS-204
	MS-906N	STRUT(2)	F-X	VT3H	MS-204
	MS-62	SPRING (2)	F-X	VT3H	MS-204
	MS-61	STRUT	F-X	VT3H	MS-204
	MS-1009N	RIGID	F-X	VT3H	MS-204
	MS-59	STRUT	F-X	VT3H	MS-204
	MS-57	STRUT	F-X	VT3H	MS-204
	MS-53	STRUT	F-X	VT3H	MS-204
	MS-54	STRUT	F-X	VT3H	MS-204
	MS-51	SPRING (2)	F-X	VT3H	MS-204
	MS-1005N	PSA-35 SNUBBER	F-X	VT3H	MS-204
	MS-50	SPRING	F-X	VT3H	MS-204
	RFW-164	STRUT	F-X	VT3H	RFW-102
	RRC-SA-65	PSA-35 SNUBBER	F-X	VT3H	RRC-101
	RRC-SA-7	PSA-35 SNUBBER	F-X	VT3H	RRC-101
	RRC-SA-15	PSA-35 SNUBBER	F-X	VT3H	RRC-101
	RRC-SA-8	PSA-35 SNUBBER	F-X	VT3H	RRC-101
	RRC-SA-9	PSA-35 SNUBBER	F-X	VT3H	RRC-101
	RRC-SA-17	PSA-35 SNUBBER	F-X	VT3H	RRC-101
	RRC-SA-18	PSA-35 SNUBBER	F-X	VT3H	RRC-101
	RRC-HB-7	SPRING	F-X	VT3H	RRC-102
	RRC-HB-9	SPRING	F-X	VT3H	RRC-102
	RRC-SB-13	PSA-35 SNUBBER	F-X	VT3H	RRC-102
	RRC-SB-11	PSA-35 SNUBBER	F-X	VT3H	RRC-102
	RRC-HB-8	SPRING	F-X	VT3H	RRC-102
	RRC-SB-14	PSA-35 SNUBBER	F-X	VT3H	RRC-102
	RHR-SA-30	PSA-10 SN(2)	F-X	VT3H	RRC-106
	RHR-SA-31	PSA-10 SNUBBER	F-X	VT3H	RRC-106
	RRC-9	SPRING	F-X	VT3H	RRC-106
	RRC-6	SPRING	F-X	VT3H	RRC-109
	RRC-1C-6PS	STRUT	F-X	VT3H	RRC-109
	RRC-4470-31	PSA-1 SNUBBER	F-X	VT3H	RRC-111
	RWCU-1C-17	PSA-1 SN(2)	F-X	VT3H	RWCU-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.
INF	RWCU-144	SPRING	F-X	VT3H	RWCU-101
	RWCU-143	SPRING	F-X	VT3H	RWCU-101
	RWCU-146	SPRING	F-X	VT3H	RWCU-101
	RWCU-1C-7PS	STRUT	F-X	VT3H	RWCU-101
	RWCU-145	SPRING	F-X	VT3H	RWCU-101
	RWCU-1C-7	PSA-3 SNUBBER	F-X	VT3H	RWCU-101
	RWCU-1C-6	PSA-3 SNUBBER	F-X	VT3H	RWCU-101
	RWCU-1C-8	PSA-3 SNUBBER	F-X	VT3H	RWCU-101
	RWCU-1C-5PS	STRUT	F-X	VT3H	RWCU-101
	RWCU-1C-5	PSA-3 SNUBBER	F-X	VT3H	RWCU-101
	RWCU-1C-3PS	STRUT	F-X	VT3H	RWCU-101
	RWCU-1C-1	STRUT	F-X	VT3H	RWCU-101
	RWCU-927N	PSA-3 SNUBBER	F-X	VT3H	RWCU-301
	RWCU-928N	PSA-10 SNUBBER	F-X	VT3H	RWCU-301
	SW-938N	BOX	F-X	VT3H	SW-303
	SW-936N	BOX	F-X	VT3H	SW-303
	SW RING HDR B(CS)	RING HDR SUPPT	F-X	VT3H	SW-303
	SW-920N	BOX	F-X	VT3H	SW-307
	FPC-243	BOX	F-X	VT3H	FPC-305
	FPC-244	BOX	F-X	VT3H	FPC-305
	FPC-245	BOX	F-X	VT3H	FPC-305
	FPC-246	BOX	F-X	VT3H	FPC-305
	FPC-247	BOX	F-X	VT3H	FPC-305
	FPC-248	BOX	F-X	VT3H	FPC-305
	MS-272	SPRING	F-X	VT3H	MS-303
	MS-273	SPRING	F-X	VT3H	MS-303
	MS-274	SPRING	F-X	VT3H	MS-303
	MS-275	SPRING	F-X	VT3H	MS-303
	MSRV-3A-7PS	RIGID	F-X	VT3H	MS-303
	MSRV-4B-5	RIGID STRUT	F-X	VT3H	MS-308
	MSRV-4B-7	RIGID STRUT	F-X	VT3H	MS-308

APPENDIX B

This appendix summarizes the ISI results for refueling outage RF93A. This outage is identified as R8 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 coverage requirements.

2 This examination did not meet full ASME Section XI coverage requirements.

WNP-2
INTERVAL: 01
PERIOD: 03
OUTAGE: R8
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

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
RRC-SR-16(4)							
	SUR	1RRP-130	ACC				NO RECORDABLE INDICATIONS
24RRC(2)B-8/4RRC(8)-4S							
	VOL	R-R8-106	45,60				NO RECORDABLE INDICATIONS SCAN LIMITED ONE SIDE DUE TO SWEEPOLET CONFIG. SEE NOTE 1
	SUR	1RRP-123	ACC				NO RECORDABLE INDICATIONS
4RRC(8)2B-1							
	VOL	R-R8-107	45,60				NO RECORDABLE INDICATIONS SCAN LIMITED ONE SIDE DUE TO SWEEPOLET CONFIG. SEE NOTE 1
	SUR	1RRP-123	ACC				NO RECORDABLE INDICATIONS
4RRC(8)2B-2							
	VOL	R-R8-108	45,60				NO RECORDABLE INDICATIONS SCAN LIMITED ONE SIDE DUE TO FLANGE CONFIG. SEE NOTE 1
	SUR	1RRP-123	ACC				NO RECORDABLE INDICATIONS
24RRC(2)B-8/4RRC(4)-4S							
	VOL	R-R8-109	45,60				NO RECORDABLE INDICATIONS SCAN LIMITED ONE SIDE DUE TO SWEEPOLET CONFIG. SEE NOTE 1
	SUR	1RRP-123	ACC				NO RECORDABLE INDICATIONS
24RRC(2)B-9							
	VOL	R-R8-110	455,60				NO RECORDABLE INDICATIONS
24RRC(2)B-9LDO							
	VOL	R-R8-103	45				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R8
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

DATE 08/20/93

IDENT. ID.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
24RRC(2)P-3LDI							
	VOL	R-R8-104	45				NO RECORDABLE INDICATIONS
24RRC(2)B-10LUO							
	VOL	R-R8-101	45				NO RECORDABLE INDICATIONS
24RRC(2)B-10LUI							
	VOL	R-R8-102	45				NO RECORDABLE INDICATIONS
24RRC(2)B-10							
	VOL	R-R8-127		45,60			ROOT AND ID GEOMETRY NO SCAN PUMP SIDE DUE TO CONFIG. SEE NOTE 1
24RRC(1)B-11							
	VOL	R-R8-123	45,60				NO RECORDABLE INDICAITONS NO SCAN PUMP SIDE DUE TO CONFIG. SEE NOTE 1
24RRC(1)B-11LD							
	VOL	R-R8-124	45				NO RECORDABLE INDICATIONS
4RRC(8)1B-1							
	VOL	R-R8-121	45,60				NO RECORDABLE INDICATIONS SCAN LIMITED ONE SIDE DUE TO SWEEPOLET CONFIG. SEE NOTE 1
	SUR	1RRP-128	ACC				NO RECORDABLE INDICATIONS
4RRC(8)1B-2							
	VOL	R-R8-114	45,60				NO RECORDABLE INDICATIONS SCAN LIMITED ONE SIDE DUE TO FLANGE CONFIG. SEE NOTE 1
	SUR	1RRP-119	ACC				NO RECORDABLE INDICATIONS

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

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
RRC-HB-7							
	VT3H	1HV-0254		ACC			SPRING CAN DAMAGED AT CONTACT WITH CLAMP. EVALUATED AS ACCEPTABLE. SPRING IS TO BE IN CONTACT WITH CLAMP WHEN COLD
24RRC(1)B-1:/12RRC(2)-4S							
	VOL	R-R8-105	45,60				NO RECORDABLE INDICATIONS SCAN LIMITED ONE SIDE DUE TO SWEEPOLET CONFIG. SEE NOTE 1
	SUR	1RRP-119	ACC				NO RECORDABLE INDICATIONS
16RRC(1)B-1							
	VOL	R-R8-139		45,60			ROOT AND ID GEOMETRY NO SCAN UPSTREAM DUE TO CROSS CONFIG. SEE NOTE 1
RRC-HB-9							
	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
16RRC(1)B-1/12RRC(1)-N2G							
	VOL	R-R8-134	45,60				NO RECORDABLE INDICATIONS
	SUR	1RRP-126	ACC				NO RECORDABLE INDICATIONS
RRC-SB-13							
	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
RRC-SB-11							
	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
16RRC(1)B-1/12RRC(1)-N2F							
	VOL	R-R8-133	45,60				NO RECORDABLE INDICATIONS
	SUR	1RRP-127	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R8
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

DATE 08/20/93

IDENT.NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
RRC-RB-8							
	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
16RRC(1)B-3/12RRC(1)-N2J							
	VOL	R-R8-131	45,60				NO RECORDABLE INDICATIONS
	SUR	1RRP-125	ACC				NO RECORDABLE INDICATIONS
RRC-SR-14							
	VT3H	1HV-0246					NO RECORDABLE INDICATIONS
16RRC(1)B-3/12RRC(1)-N2K							
	VOL	R-R8-132	45,60				NO RECORDABLE INDICATIONS
	SUR	1RRP-127	ACC				NO RECORDABLE INDICATIONS
12RRC(1)-N2P-1							
	VOL	R-R8-135		45,60			ROOT AND ID GEOMETRY
12RRC(1)-N2H-1LD							
	VOL	R-R8-122	45				NO RECORDABLE INDICATIONS
RRC-PB-102(L)							
	VT-2	1VT2-93	ACC				NO RECORDABLE INDICATIONS

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

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

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
RRC-PB-103(L)	VT-2	1VT2-93	ACC				NO RECORDABLE INDICATIONS EXAM AREA IS COVERED ON DRAWINGS RRC-101 AND RRC-102

WNP-02
INTERVAL: C1
PERIOD: 93
OUTAGE: R8
DRAWING NO. RRC-104

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

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
RRC-PB-104(L)	VT-2	1VT2-93	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: 08
DRAWING NO. PRC-105

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

DATE 08/20/93

IDENT.NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
20RRC(6)-4							
	VOL	R-R8-111				45,60	45 AND 60 RL RECORDED ONE PLANAR INDICATION. LENGTH = 3.6" THRU WALL DIM = 17.5%. ACCEPTABLE FOR ONE OPERATING CYLCE PER ANALYSIS DONE AT R6.
RRC-PR-105(L)							
	VT-2	1VT2-93	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: 3R
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

DATE 08/20/93

IDENT.NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
RHR-SA-3B							
	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
RHR-SA-31							
	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
RRC-9							
	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
RRC-PB-106(L)							
	VT-2	1VT2-93	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 02
OUTAGE: 10
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

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
12RRC(7)B-2LDI	VOL	R-R8-116	45				NO RECORDABLE INDICATIONS
	SUR	1RRP-124	ACC				NO RECORDABLE INDICATIONS
12RRC(7)B-2LDO	VOL	R-R8-115	45				NO RECORDABLE INDICATIONS
	SUR	1RRP-124	ACC				NO RECORDABLE INDICATIONS
12RRC(7)B-3LDI	VOL	R-R8-117	45				NO RECORDABLE INDICATIONS
	SUR	1RRP-124	ACC				NO RECORDABLE INDICATIONS
12RRC(7)B-3LDO	VOL	R-R8-118	45				NO RECORDABLE INDICATIONS
	SUR	1RRP-124	ACC				NO RECORDABLE INDICATIONS
12RRC(7)B-3	VOL	R-R8-120	45				NO RECORDABLE INDICATIONS
	SUR	1RRP-124	ACC				NO RECORDABLE INDICATIONS
12RRC(7)B-3LD	VOL	R-R8-119	45				NO RECORDABLE INDICATIONS
	SUR	1RRP-124	ACC				NO RECORDABLE INDICATIONS
RRC-PP-107(L)	VT-2	1VT2-93	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R8
DRAWING NO. RRC-198

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

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
RRC-PR-198(L)	VT-2	1VT2-93	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R8
DRAWING NO. RRC-109

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

DATE 08/20/93

IDENT.NO.	EXAM. METH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
4RRC(4)B-4	VOL	R-R8-128	45				NO RECORDABLE INDICATIONS
4RRC(4)B-5	VOL	R-R8-129	45				NO RECORDABLE INDICATIONS
RRC-6	VTM	1HV-0246	ACC				NO RECORDABLE INDICATIONS
4RRC(4)B-10	VOL	R-R8-126	45				NO RECORDABLE INDICATIONS
	SUR	1RRP-129	ACC				NO RECORDABLE INDICATIONS
RRC-1C-SPS	VTM	1HV-0246	ACC				NO RECORDABLE INDICATIONS
4RRC(4)B-12	VOL	R-R8-130	45				NO RECORDABLE INDICATIONS
	SUR	1RRP-129	ACC				NO RECORDABLE INDICATIONS
RRC-PR-102(L)	VT-2	1VT2-93	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 91
PERIOD: 03
OUTAGE: R8
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

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
RRC-PR-110(L)	VT-2	1VT2-93	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: 38
DRAWING NO. RRC-111

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

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
RRC-4471-31							
	VT-3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
RRC-PS-111(L)							
	VT-2	1VT2-93	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: 38
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

DATE 08/20/93

IDENT..NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
RWCU-1C-17	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
RWCU-144	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
RWCU-143	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
4RWCU(3)-4BD	VT-1	1RTV-007		ACC			SPOTS OF MINOR CORROSION ON STUDS. NO APPARENT MATERIAL LOSS
RWCU-146	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
RWCU-V-1C0-BLT	VT-1	1RTV-006		ACC			MINOR CORROSION ON STUDS BETWEEN FLANGES. NO APPARENT MATERIAL LOSS
4RWCU(2)-1BBD	VT-1	1RTV-005		ACC			MINOR CORROSION ON STUDS BETWEEN FLANGES. NO APPARENT MATERIAL LOSS
RWCU-1C-7FS	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
RWCU-145	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
RWCU-1C-7	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
RWCU-1C-6	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
RWCU-1C-8	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
RWCU-1C-5PS	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS

WNP-2
INTERVAL: 01
PERIOD: 02
OUTAGE: 28
DRAWING NO. M-CU-101

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

DATE 08/20/93

IDENT. NO.	EXAM. METH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
RWCU-1C-5							
	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
RWCU-1C-3PS							
	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
RWCU-1C-1							
	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
6RWCU(3)-20							
	VOL	1RTU-036	45				NO RECORDABLE INDICATIONS NO EXAM VALVE SIDE. SEE NOTE 1
6RWCU(3)-21							
	VOL	1RTU-034		45			0-180 DEG 80% DAC ID GEO
6RWCU(3)-22							
	VOL	1RTU-035	45				NO RECORDABLE INDICATIONS
6RWCU(3)-23							
	VOL	1RTU-021	45				NO RECORDABLE INDICATIONS
6RWCU(3)-24							
	VOL	1RTU-022	45				NO RECORDABLE INDICATIONS
6RWCU(3)-25							
	VOL	1RTU-023	45				NO RECORDABLE INDICATIONS
6RWCU(3)-26							
	VOL	1RTU-024	45				NO RECORDABLE INDICATIONS
RWCU-V-4-BLT							
	VT-1	1RTV-004		ACC			MODERATE CORROSION ON STUDS AND NUTS. NO APPARENT MATERIAL LOSS
RWCU-PB-101(L)							
	VT-2	1VT2-93	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R8
DRAWING NO. RWCU-301

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RWCU(3)-4
DESCRIPTION: HISC EXAMS NON-MAND.

DATE 08/20/93

IDENT..NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	OTHER	REMARKS
RWCU THRM SLEEVE							
	VOL	1RTU-025	45				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: [illegible]
PERIOD: [illegible]
OUTAGE: [illegible]
DRAWING NO. RWCU-301

WASHINGTON PUBLIC [illegible]R SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMI[illegible]ION SUMMARY TABLE
SYSTEM OR COMPONENT RWCU(3)-4
DESCRIPTION: RWCU PUMP SUCTION

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
6RWCU(3)-28A	SUR	1RTP-002	ACC				NO RECORDABLE INDICATIONS
6RWCU(3)-28B	SUR	1RTP-002	ACC				NO RECORDABLE INDICATIONS
6RWCU(3)-28C	SUR	1RTP-002	ACC				NO RECORDABLE INDICATIONS
6RWCU(3)-28D	SUR	1RTP-002	ACC				NO RECORDABLE INDICATIONS
RWCU-0278	VTSH	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RWCU-0278	VTSH	1HV-0247	ACC				NO RECORDABLE INDICATIONS
6RWCU(3)-33	VOL	1RTU-026	45				NO RECORDABLE INDICATIONS
6RWCU(3)-34	VOL	1RTU-027	45				NO RECORDABLE INDICATIONS
4RWCU(3)-1A	VOL	1RTU-029	45				NO RECORDABLE INDICATIONS
6RWCU(3)-35	VOL	1RTU-028	45				NO RECORDABLE INDICATIONS
4RWCU(3)-2A	VOL	1RTU-030	45				NO RECORDABLE INDICATIONS
4RWCU(3)-3A	VOL	1RTU-031	45				NO RECORDABLE INDICATIONS
4RWCU(3)-4A	VOL	1RTU-032	45				NO RECORDABLE INDICATIONS
4RWCU(3)-5A	VOL	1RTU-033	45				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 61
PERIOD: 33
OUTAGE: 38
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

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
SW-59(W)	VT-3	1SWV-129		ACC			LIGHT SURFACE RUST. NO APPARENT MATERIAL LOSS
SW-62(W)	VT-3	1SWV-130		ACC			LIGHT RUST ON SW PIPING NO APPARENT MATERIAL LOSS
SW-63(W)	VT-3	1SWV-131		ACC			LIGHT SURFACE RUST NO APPARENT MATERIAL LOSS
SW-64(W)	VT-3	1SWV-132		ACC			HEAVY SURFACE RUST ON WELDED ATTACHMENTS AND SW PIPING WITH NO APPARENT MATERIAL LOSS
SW-66(W)	VT-3	1SWV-133		ACC			HEAVY SURFACE RUST ON WELDED ATTACHMENTS AND SW PIPING WITH NO APPARENT MATERIAL LOSS
SW-71(W)	VT-3	1SWV-135		ACC			HEAVY SURFACE RUST ON WELDED ATTACHMENTS AND SW PIPING WITH NO. APPARENT MATERIAL LOSS
SW-173(W)	VT-3	1SWV-136		ACC			SURFACE RUST ON SW PIPING WITH NO APPARENT MATERIAL LOSS
SW-68(W)	VT-3	1SWV-134		ACC			SURFACE RUST ON SW PIPING WITH NO APPARENT MATERIAL LOSS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R8
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

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
SW-70(W)	VT-3	1SWV-137		ACC			LIGHT SURFACE RUST ON PIPE AND WELDS WITH NO APPARENT MATERIAL LOSS
SW-73(W)	VT-3	1SWV-138		ACC			HEAVY SURFACE RUST ON SW PIPING WITH NO APPARENT MATERIAL LOSS
SW-209(W)	VT-3	1SWV-139		ACC			HEAVY SURFACE RUST ON SW PIPING WITH NO APPARENT MATERIAL LOSS
SW-434(W)	VT-3	1SWV-140		ACC			HEAVY SURFACE RUST ON WELDS AND SW PIPING WITH NO APPARENT MATERIAL LOSS
SW-122(W)	VT-3	1SWV-148		ACC			SURFACE RUST ON SW PIPING WITH NO APPARENT LOSS OF MATERIAL
SW-123(W)	VT-3	1SWV-149		ACC			LIMITED TO 75% OF LUGS DUE TO FIRE BARRIER. SURFACE RUST ON WELDS AND SW PIPING WITH NO APPARENT LOSS OF MATERIAL.

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: 98
DRAWING NO. SW-303

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT SW(210)-2
DESCRIPTION: RETURN RHR-HX-1A

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
SW-938S							
	VT3H	1HV-0247	ACC				MINOR CORROSION ON I-BEAM WERE PROTECTIVE COATING IS ABSENT
SW-936N							
	VT3H	1HV-0247	ACC				MINOR CORROSION ON I-BEAM WERE PROTECTIVE COATING IS ABSENT
SW RING HDR B(CS)							
	VT3H	1HV-0249				ACC	CORROSION PITTING 1/2" DIA 200 MIL DEEP. ACCEPTABLE BY IOM SS2-PE-88-0507, DATED JUNE 2, 1988

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: 88
DRAWING NO. [illegible]-324

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

IDENT.NO.	EXAM. METH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
SW-358(a)	VT-3	1SWV-118	ACC				NO RECORDABLE INDICATIONS
SW-357(a)	VT-3	1SWV-117	ACC				NO RECORDABLE INDICATIONS
SW-256(a)	VT-3	1SWV-116	ACC				NO RECORDABLE INDICATIONS
SW-354(a)	VT-3	1SWV-115	ACC				NO RECORDABLE INDICATIONS
SW-426(a)	VT-3	1SWV-114	ACC				NO RECORDABLE INDICATIONS
SW-355(a)	VT-3	1SWV-113	ACC				NO RECORDABLE INDICATIONS LUGS REMOVED EXAM OF REMNANTS.

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R8
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

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
SW-22(2)	VT-3	1SWV-150		ACC			HEAVY SURFACE RUST ON LUGS AND SW PIPING WITH NO APPARENT LOSS OF MATERIAL

WNP-02
INTERVAL: 01
PERIOD: 13
OUTAGE: 28
DRAWING NO. SW-396

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

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
SW-308(4)	VT-3	1SWV-128	ACC				NO RECORDABLE INDICATIONS
SW-307(5)	VT-3	1SWV-127	ACC				NO RECORDABLE INDICATIONS
SW-266(6)	VT-3	1SWV-126	ACC				NO RECORDABLE INDICATIONS
SW-267(7)	VT-3	1SWV-125	ACC				NO RECORDABLE INDICATIONS
SW-292(8)	VT-3	1SWV-124	ACC				NO RECORDABLE INDICATIONS
SW-293(9)	VT-3	1SWV-123	ACC				NO RECORDABLE INDICATIONS
SW-294(9)	VT-3	1SWV-122	ACC				NO RECORDABLE INDICATIONS
SW-301(10)	VT-3	1SWV-121	ACC				NO RECORDABLE INDICATIONS
SW-302(6)	VT-3	1SWV-119	ACC				NO RECORDABLE INDICATIONS
SW-312(11)	VT-3	1SWV-120	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: 08
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

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
SW-80(W)	VT-3	1SWV-141		ACC			HEAVY SURFACE RUST ON LUGS AND SW PIPING WITH NO APPARENT LOSS OF MATERIAL
SW-81(W)	VT-3	1SWV-142		ACC			HEAVY SURFACE RUST ON LUGS AND SW PIPING WITH NO APPARENT LOSS OF MATERIAL
SW-914(W)	VT-3	1SWV-143		ACC			HEAVY SURFACE RUST ON LUGS AND SW PIPING WITH NO APPARENT LOSS OF MATERIAL
SW-917(W)	VT-3	1SWV-144		ACC			HEAVY SURFACE RUST ON LUGS AND SW PIPING WITH NO APPARENT LOSS OF MATERIAL
SW-83(W)	VT-3	1SWV-151		ACC			MINOR SURFACE RUST ON PIPING WITH NO APPARENT LOSS OF MATERIAL
SW-84(W)	VT-3	1SWV-145		ACC			LIGHT SURFACE RUST ON SW PIPING WITH NO APPARENT LOSS OF MATERIAL
SW-195(W)	VT-3	1SWV-154		ACC			MINOR SURFACE RUST ON SW PIPING WITH NO APPARENT MATERIAL LOSS
SW-943N(W)	VT-3	1SWV-110	ACC				NO RECORDABLE INDICATIONS
SW-19(W)	VT-3	1SWV-111	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: [illegible]
PERIOD: [illegible]
OUTAGE: [illegible]
DRAWING NO. [illegible]

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

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
SW-919[illegible]	VT3H	1HV-0250		ACC			MATERIAL LOSS ON THREE NUTS IN WALL PLATE. EVALUATED AS ACCEPTABLE. EXAM OF PORTION NORMALLY UNDERWATER.
SW-919[illegible](W)	VT3H	1SWV-099	ACC				NO RECORDABLE INDICATIONS
SW-920[illegible]	VT3H	1HV-0253		ACC			UNDERWATER PORTION. 3 WALL STUDS HAD SOME MATERIAL LOSS DUE TO CORROSION. STILL HAD FULL THREAD ENGAGEMENT. ACCEPTABLE
SW-921[illegible](W)	VT-3	1SWV-100	ACC				NO RECORDABLE INDICATIONS
SW-922[illegible](W)	VT-3	1SWV-101	ACC				NO RECORDABLE INDICATIONS
SW-923[illegible](W)	VT-3	1SWV-102	ACC				NO RECORDABLE INDICATIONS
SW-924[illegible](W)	VT-3	1SWV-103	ACC				NO RECORDABLE INDICATIONS
SW-925[illegible](W)	VT3H	1SWV-104	ACC				NO RECORDABLE INDICATIONS
SW-926[illegible](W)	VT3H	1SWV-105	ACC				NO RECORDABLE INDICATIONS
SW-927[illegible](W)	VT-3	1SWV-106		ACC			WELDS ON NORTH SIDE OF PIPE ARE RUSTY. LIGHT MINOR UNIFORM CORROSION.
SW-928[illegible](W)	VT-3	1SWV-107	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: 08
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

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
SW-927W(W)							
	VT-3	1SWV-108		ACC			SOUTH PAD WELDS RUSTY, LIGHT MINOR UNIFORM CORROSION
SW-935W(W)							
	VT-3	1SWV-109	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: 38
DRAWING NO. [illegible]

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

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
SW-13(4)	VT-3	1SWV-112	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: 08
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

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
SW-9660(W)	VT-3	1SWV-153		ACC			HEAVY UNIFORM SURFACE RUST WITH NO APPARENT MATERIAL LOSS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: 03
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

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
SW-1022N(W)							
	VT-3	1SWV-152		ACC			MINOR SURFACE RUST ON WELDED PIPE AND SW PIPING WITH NO APPARENT LOSS OF MATERIAL
SW-1032N(W)							
	VT-3	1SWV-146		ACC			HEAVY SURFACE RUST ON LUGS AND SW PIPING WITH NO APPARENT LOSS OF MATERIAL

WNP-2
INTERVAL: 01
PERIOD: 03
OUTAGE: 38
DRAWING NO. 22-514

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

DATE 08/20/93

IDENT. NO.	EXAM. MTD.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
SW-9547(W)	VT-3	1SWV-147		ACC			MINOR RUST ON WELDS AND SW PIPING WITH NO APPARENT LOSS OF MATERIAL

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT FPC(1)-1
DESCRIPTION: FUEL POOL CIRC/TK-1B

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
FPC-64(S)	VT-3	1FPV-015	ACC				NO RECORDABLE INDICATIONS EXAMINED ACCESSIBLE AREA ONLY PARTIAL OBSTRUCTION FROM FLOOR FIRE SEAL INSULATION
FPC-PB-391(H)	VT-2	AP1885		ACC			ALSO SEE REPORT 1FPV-012. 2 DPM AT FLANGE MWR AP2809 INITIATED TO FIX

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: 88
DRAWING NO. FPC-302

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT FPC(2)-1
DESCRIPTION: FPC-P-1A TO DM-1A&1B

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
FPC-PB-102(A)	VT-2	AP1885	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: C1
PERIOD: 3A
OUTAGE: 28
DRAWING NO. EPC-303

WASHINGTON PUBLIC [illegible]R SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT EPC(2)-1
DESCRIPTION: EPC-P-1B TO DM-1A&1B

DATE 08/20/93

IDENT.NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
EPC-PB-303(1)	VT-2	AP1885	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R8
DRAWING NO. FPC-304

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT FPC(2)-1
DESCRIPTION: FPC-1A&1B DISCHARGE

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
FPC-PR-304(B)	VT-2	AP1885	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: C1
PERIOD: 2
OUTAGE: R
DRAWING NO. FPC-305

WASHINGTON PUBLIC [illegible]R SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT FPC(3)-1S
DESCRIPTION: FPC-DM-1A RETURN

DATE 08/20/93

IDENT.NO.	EXAM. METH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
FPC-243	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
FPC-244	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
FPC-245	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
FPC-246	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
FPC-247	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
FPC-248	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: 88
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

DATE 08/20/93

IDENT.NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
FPC-45(*)							
	VT-3	1FPV-014	ACC				NO RECORDABLE INDICATIONS
FPC-50(*)							
	VT-3	1FPV-013	ACC				NO RECORDABLE INDICATIONS
FPC-PR-307(*)							
	VT-2	AP1885	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 11
PERIOD: 3
OUTAGE: 58
DRAWING NO. FPC-308

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT FPC(27)-1
DESCRIPTION: FPC TO EQUIP DRAIN

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
FPC-PB-309(H)	VT-2	1FPV-012	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 3
OUTAGE: 2R
DRAWING NO. FPC-308

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT FPC(27)-1
DESCRIPTION: FPC GATES TO FP CIRC

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
FPC-PR-311(4)							
	VT-2	1FPV-012	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 3
OUTAGE: R8
DRAWING NO. FPC-308

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT FPC(27)-1
DESCRIPTION: DRY-SEP POOL-FP CIRC

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
FPC-PB-311(H)	VT-2	1FPV-012	ACC				NO RECORDABLE INDICATIONS

LNP-02
INTERVAL: 01
PERIOD: 3
OUTAGE: R8
DRAWING NO. FPC-308

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT FPC(27)-1
DESCRIPTION: FPC-DM-1A/B RETURN

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
FPC-PR-324(4)	VT-2	1FPV-012	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 3
OUTAGE: R8
DRAWING NO. FPC-308

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT FPC(27)-1
DESCRIPTION: FPC-DM-1A/B TO DIFF

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
FPC-PB-325(H)	VT-2	1FPV-012	ACC				NO RECORDABLE INDICATIONS
FPC-PB-326(H)	VT-2	1FPV-012	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: RF
DRAWING NO. RCC-393

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RCC(4)-2
DESCRIPTION: RCC SUPPLY-FPC-HX-1A

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
RCC-PR-323(H)	VT-2	AP2132	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 13
OUTAGE: R8
DRAWING NO. RCC-304

WASHINGTON PUBLIC [illegible]R SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RRC(4)-2
DESCRIPTION: RCC RTN FROM HX-1A

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
RCC-PB-304(B)	VT-2	AP2132	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R8
DRAWING NO. MS-303

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

DATE 08/20/93

IDENT.NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
MS-272							
	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS .
MS-273							
	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
MS-274							
	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
MS-275							
	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
MSRV-3A-753							
	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: P1
PERIOD: 03
OUTAGE: R8
DRAWING NO. MS-305

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT MS(18)2-10
DESCRIPTION: MS-RV-1B DISCHARGE

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO. INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
MSRV-1B-2(W)							
	VT-3	1MSV-148	ACC				NO RECORDABLE INDICATIONS
MS-281(J)							
	VT-3	1MSV-146	ACC				NO RECORDABLE INDICATIONS
MS-282(J)							
	VT-3	1MSV-147	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: F8
DRAWING NO. MS-398

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

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
MSRV-4B-5							
	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
MSRV-4B-7							
	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R8
DRAWING NO. CRD-201

WASHINGTON PUBLIC [illegible]R SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT CRD(12)-3
DESCRIPTION: CRD SCRAM DISCHARGE

DATE 08/20/93

IDENT.NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
8CRD(12)A-1[illegible]/2FLG	SUR	1CRP-001	ACC				NO RECORDABLE INDICATIONS PSI OF NEW WELD PLAN 2-0878
8CRD(12)A-27/2FLG	SUR	1CRM-001	ACC				NO RECORDABLE INDICAITONS PSI OF NEW WELD PLAN 2-0878

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: 2R
DRAWING NO. CRD-202

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT CRD(12)-3
DESCRIPTION: CRD SCRAM DISCHARGE

DATE 08/20/93

IDENT.NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
8CRD(12)R-14/2FLG							
	SUR	1CRM-003	ACC				NO RECORDABLE INDICATIONS PSI OF NEW WELD PLAN 2-0878
8CRD(12)"-22/2FLG							
	SUR	1CRM-002	ACC				NO RECORDABLE INDICATIONS PSI OF NEW WELD PLAN 2-0878

CNP-C2
INTERVAL: P1
PERIOD: 93
OUTAGE: 18
DRAWING NO. SLC-101

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

DATE 08/20/93

IDENT..NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
SLC-PB-101(L)	VT-2	1VT2-93	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: 88
DRAWING NO. N/A

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

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
CCH-PR(1)	VT-2	AP2130	ACC				NO RECORDABLE INDICATIONS
		AP2131	ACC				NO RECORDABLE INDICATIONS

WNP-
INTERVAL: 01
PERIOD: 03
OUTAGE: R8
DRAWING NO. RPV-101

WASHINGTON PUBLIC [illegible]R SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RPV
DESCRIPTION: SHL CRS & SKRT KNKL

DATE 08/20/93

IDENT..NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
AA							
	VOL	R-R8-005	45,60	0			0 DEG INDICATIONS EVALUATED AS SEGREGATES COVERAGE = 99.8%
AB							
	VOL	R-R8-003	45,60	0			0 DEG INDICATIONS EVALUATED AS SEGREGATES COVERAGE = 79.7% SEE NOTE 2
AC							
	VOL	R-R8-025	45,60	0			0 DEG INDICATIONS EVALUATED AS SEGREGATES COVERAGE = 92.4%
CG							
	SUR	1RPM-038	ACC				NO RECORDABLE INDICATIONS
BA							
	VOL	R-R8-015	0,45,60				NO RECORDABLE INDICATIONS COVERAGE = 90.8%
BB							
	VOL	R-R8-006	45,60	0			0 DEG INDICATIONS EVALUATED AS SEGREGATES COVERAGE = 91.9%
BC							
	VOL	R-R8-014	45,60	0			0 DEG INDICATIONS EVALUATED AS SEGREGATES COVERAGE = 91.2%

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R8
DRAWING NO. RPV-101

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

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
BD	VOL	R-R8-007	45,60	0			0 DEG INDICATIONS EVALUATED AS SEGREGATES COVERAGE = 92.8%
BE	VOL	R-R8-016	45,60	0			0 DEG INDICATIONS EVALUATED AS SEGREGATES COVERAGE = 98.1%
BF	VOL	R-R8-001	45,60	0			0 DEG INDICATIONS EVALUATED AS SEGREGATES COVERAGE = 95.6%
BG	VOL	R-R8-004	45,60	0			0 DEG INDICATIONS EVALUATED AS SEGREGATES COVERAGE = 98.1%
BH	VOL	R-R8-002	45,60	0			0 DEG INDICTIONS EVALUATED AS SEGREGATES COVERAGE = 93.7%
BJ	VOL	R-R8-018	60	0,45			0 DEG INDICATIONS EVALUATED AS SEGREGATES COVERAGE = 91.7%
BK	VOL	R-R8-023	45,60	0			0 DEG INDICATIONS EVALUATED AS SEGREGATES COVERAGE = 96.8%

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R8
DRAWING NO. RPV-101

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

DATE 08/20/93

IDENT..NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO. INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
BM	VOL	R-R8-017	45,60	0			0 DEG INDICATIONS EVALUATED AS SEGREGATES COVERAGE = 92.1%
BN	VOL	R-R8-024	45,60	0			0 DEG INDICATIONS EVALUATED AS SEGREGATES COVERAGE = 64.8%
BP	VOL	R-R8-027	45,60	0			0 DEG INDICATIONS EVALUATED AS SEGREGATES COVERAGE = 62.9%
BR	VOL	R-R8-026	45,60	0			0 DEG INDICATIONS EVALUATED AS SEGREGATES COVERAGE = 60.3%

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: 08
DRAWING NO. RPV-101

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

DATE 08/20/93

IDLOT.NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO. INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
N4-30-13	VOL	1RPU-119	70				NO RECORDABLE INDICATIONS
N4-30-[illegible]	VOL	1RPU-119	25				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R8
DRAWING NO. RPV-101

WASHINGTON PUBLIC P[illegible] SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RPV
DESCRIPTION: MAJOR REPAIR AREAS

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
MRP-1	VOL	R-R8-022	45,60	0			0 DEG INDICATIONS EVALUATED AS ACCEPTABLE COVERAGE = 100%

WNP-2
INTERVAL: 01
PERIOD: 03
OUTAGE: 08
DRAWING NO. RPV-101

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

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
RPV STUD 35-1-7A							
	VOL	1RPU-120	0				NO RECORDABLE INDICATIONS
	SUR	1RPM-039	ACC				NO RECORDABLE INDICATIONS
RPV STUD 35-1-14A							
	VOL	1RPU-120	0				NO RECORDABLE INDICATIONS
	SUR	1RPM-039	ACC				NO RECORDABLE INDICATIONS
RPV STUD 35-1-21A							
	VOL	1RPU-120	0				NO RECORDABLE INDICATIONS
	SUR	1RPM-039	ACC				NO RECORDABLE INDICATIONS
RPV STUD 35-1-28A							
	VOL	1RPU-120	0				NO RECORDABLE INDICATIONS
	SUR	1RPM-039	ACC				NO RECORDABLE INDICATIONS
RPV STUD 35-1-35A							
	VOL	1RPU-120	0				NO RECORDABLE INDICATIONS
	SUR	1RPM-039	ACC				NO RECORDABLE INDICATIONS
RPV STUD 35-1-42A							
	VOL	1RPU-120	0				NO RECORDABLE INDICATIONS
	SUR	1RPM-039	ACC				NO RECORDABLE INDICATIONS
RPV STUD 35-1-49A							
	VOL	1RPU-120	0				NO RECORDABLE INDICATIONS
	SUR	1RPM-040	ACC				NO RECORDABLE INDICATIONS
RPV STUD 35-1-56A							
	VOL	1RPU-120	0				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 91
PERIOD: 93
OUTAGE: 98
DRAWING NO. RPV-101

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

DATE 08/20/93

IDENT..NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
RPV STUD 35-1-63A	SUR	1RPM-040	ACC				NO RECORDABLE INDICATIONS
	VOL	1RPU-120	0				NO RECORDABLE INDICATIONS
RPV STUD 35-1-70A	SUR	1RPM-039	ACC				NO RECORDABLE INDICATIONS
	VOL	1RPU-120	0				NO RECORDABLE INDICATIONS
RPV NUT 36-1-7A	SUR	1RPM-039	ACC				NO RECORDABLE INDICATIONS
	VOL	1RPU-121	0,37,45				NO RECORDABLE INDICATIONS
RPV NUT 36-1-14A	SUR	1RPM-041	ACC				NO RECORDABLE INDICATIONS
	VOL	1RPU-121	0.37.45				NO RECORDABLE INDICATIONS
RPV NUT 36-1-21A	SUR	1RPM-041	ACC				NO RECORDABLE INDICATIONS
	VOL	1RPU-121	0,37,45				NO RECORDABLE INDICATIONS
RPV NUT 36-1-28A	SUR	1RPM-041	ACC				NO RECORDABLE INDICATIONS
	VOL	1RPU-121	0,37,45				NO RECORDABLE INDICATIONS
RPV NUT 36-1-35A	SUR	1RPM-041	ACC				NO RECORDABLE INDICATIONS
	VOL	1RPU-121	0,37,45				NO RECORDABLE INDICATIONS
	SUR	1RPM-041	ACC				NO RECORDABLE INDICATIONS

WNP-2
INTERVAL: 01
PERIOD: 02
OUTAGE: R8
DRAWING NO. RPV-101

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

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
RPV NUT 35-1-42A							
	VOL	1RPU-121	0,37,45				NO RECORDABLE INDICATIONS
	SUR	1RPM-041	ACC				NO RECORDABLE INDICATIONS
RPV NUT 35-1-49A							
	VOL	1RPU-121	0,37,45				NO RECORDABLE INDICATIONS
	SUR	1RPM-041	ACC				NO RECORDABLE INDICATIONS
RPV NUT 35-1-56A							
	VOL	1RPU-121	0,37,45				NO RECORDABLE INDICATIONS
	SUR	1RPM-041	ACC				NO RECORDABLE INDICATIONS
RPV NUT 35-1-63A							
	VOL	1RPU-121	0,37,45				NO RECORDABLE INDICATIONS
	SUR	1RPM-041	ACC				NO RECORDABLE INDICATIONS
RPV NUT 35-1-70A							
	VOL	1RPU-121	0,37,45				NO RECORDABLE INDICATIONS
	SUR	1RPM-041	ACC				NO RECORDABLE INDICATIONS
RPV WASHERS							
	VT-1	1RPV-166	ACC				WASHERS WERE EXAMINED FOR THE FOLLOWING STUDS: 35-1-7A, -14A, -21A, -28A, -35A, -42A, 49A, -56A -63A, -70A NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R8
DRAWING NO. RPV-101

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

DATE 08/20/93

IDENT..NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
JET PUMP BEAMS							
	VT-3	1RPV-167	ACC				NO RECORDABLE INDICATIONS
	VOL	1RPU-122	ACC				NO RECORDABLE INDICATIONS
JET PUMP SENSING LINES							
	VT-1	1RPV-167	ACC				NO RECORDABLE INDICATIONS
CORE SPRAY SPARGERS							
	VT-1	1RPV-167	ACC				NO RECORDABLE INDICATIONS
STEAM DRYER							
	VT-3	1RPV-167	ACC				NO RECORDABLE INDICATIONS
RPV-PB-101(L)							
	VT-2	1VT2-93	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: 2P
DRAWING NO. RPV-102

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

DATE 08/20/93

IDENT.NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
DA							
	VOL	R-R8-008	0,45,60				NO RECORDABLE INDICATIONS COVERAGE = 78.6% SEE RELIEF REQUEST 2-ISI-001
DB							
	VOL	R-R8-013	0,45,60				NO RECORDABLE INDICATIONS COVERAGE = 78.6% SEE RELIEF REQUEST 2-ISI-001
DC							
	VOL	R-R8-009	0,45,60				NO RECORDABLE INDICATIONS COVERAGE = 78.6% SEE RELIEF REQUEST 2-ISI-001
DD							
	VOL	R-R8-010	0,45,60				NO RECORDABLE INDICATIONS COVERAGE = 78.6% SEE RELIEF REQUEST 2-ISI-001
DE							
	VOL	R-R8-011	0,45,60				NO RECORDABLE INDICATIONS COVERAGE = 78.6% SEE RELIEF REQUEST 2-ISI-001
DF							
	VOL	R-R8-012	0,45,60				NO RECORDABLE INDICATIONS COVERAGE = 78.6% SEE RELIEF REQUEST 2-ISI-001
AJ							
	VOL	R-R8-019	0,45,60				SPOT INDICATION RECORDED AT 50% DAC WITH 0 DEG COVERAGE = 100%

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R8
DRAWING NO. RPV-102

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

DATE 08/20/93

IDENT..NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO. INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
DG							
	VOL	R-R8-021	45,60	0			0 DEG SPOT INDICATION UNDER 50% DAC COVERAGE = 16.6% SEE RELIEF REQUEST 2-ISI-001
DR							
	VOL	R-R8-020	45,60	0			0 DEG SPOT INDICATIONS RECORDED BELOW 50% DAC COVERAGE = 16.7% SEE RELIEF REQUEST 2-ISI-001

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: 08
DRAWING NO. RPV-102

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

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
6SPARE-1							
	VOL	1RPU-118	45				NO RECORDABLE INDICATIONS CIRC SCAN ONLY
RPV-BL-102(L)							
	VT-2	1VT2-93		ACC			TWO AREAS DRIPPING AT 3-5 DPM EVALUATED AS NOT FROM PRESSURE BOUNDARY. SOURCE CONDENSATE

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R8
DRAWING NO. RCIC-101

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RCIC(13)-4
DESCRIPTION: RCIC STEAM SUPPLY

IDENT..NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
RCIC-1C-2(W)							
	SUR	1RIM-033	ACC				NO RECORDABLE INDICATIONS
4RCIC(13)-12							
	VOL	1RIU-063	45				NO RECORDABLE INDICATIONS
4RCIC(13)-13							
	VOL	1RIU-056			45		180-0 DEG 159% DAC ROOT GEO
4RCIC(13)-14							
	VOL	1RIU-057		45			0-180 DEG 85% DAC ROOT GEO
	SUR	1RIP-015	ACC				NO RECORDABLE INDICATIONS
4RCIC(13)-15							
	VOL	1RIU-058		45			0-180 DEGREE 80% DAC ROOT GEO
	SUR	1RIP-015	ACC				NO RECORDABLE INDICATIONS
4RCIC(13)-16							
	VOL	1RIU-059		45			180-0 DEG 88% DAC ROOT GEO
	SUR	1RIP-015	ACC				NO RECORDABLE INDICATIONS
4RCIC(13)-17							
	VOL	1RIU-060		45			0-180 DEG 55% DAC ROOT GEO
	SUR	1RIP-015	ACC				NO RECORDABLE INDICATIONS
4RCIC(13)-18							
	VOL	1RIU-061		45			0-180 DEG 45% DAC ROOT GEO
4RCIC(13)-19							
	VOL	1RIU-062		45			0-180 DEG 55% DAC ROOT GEO
	SUR	1RIP-015	ACC				NO RECORDABLE INDICATIONS
RCIC-PB-101(E)							
	VT-2	1VT2-93	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 02
OUTAGE: R8
DRAWING NO. RCIC-102

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RHR(10)-4
DESCRIPTION: RPV HEAD SPRAY

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
RHR-529	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
RHR-372N	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
RCIC-V-13-BLT	VT-1	1RIV-013		ACC			MINOR RUST ON SOME NUTS AND STUDS. NO APPARENT MATERIAL LOSS
RCIC-102	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
RCIC-103	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
RCIC-104	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
RCIC-V-65-BLT	VT-1	1RIV-012	ACC				NO RECORDABLE INDICATIONS
6RCIC(1)-13	VOL	1RIU-055	45				NO RECORDABLE INDICATIONS
	SUR	1RIM-034	ACC				NO RECORDABLE INDICATIONS
6RCIC(1)-14	VOL	1RIU-054	45				NO RECORDABLE INDICATIONS
	SUR	1RIM-034	ACC				NO RECORDABLE INDICATIONS
RCIC-942N	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
RCIC-939N	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
6RCIC(1)-28BD	VT-1	1RIV-014		ACC			MINOR CORROSION ON STUDS BETWEEN FLANGES. NO APPARENT MATERIAL LOSS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: 38
DRAWING NO. RCIC-102

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

DATE 08/20/93

IDENT..NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
6RCIC(1)-31BU							
	VT-1	1RIV-011	ACC				FLANGE WAS BEING DISSASSEMBLED FOR REFUELING
6RCIC(1)-41ABD							
	VT-1	1RIV-015	ACC				NO RECORDABLE INDICATIONS PSI ON NEW BOLTS PLAN 2-0947
6RCIC(1)-44BD							
	VT-1	1RIV-016	ACC				NO RECORDABLE INDICATIONS PSI ON NEW BOLTS PLAN 2-0947
6RCIC(1)-45							
	VOL	1RIU-053	45				NO RECORDABLE INDICATIONS
RCIC-PB-102(L)							
	VT-2	1VT2-93	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R8
DRAWING NO. RCIC-204

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RCIC(10)-1
DESCRIPTION: PUMP SUCTION LINES

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
RCIC-56							
	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RCIC-47							
	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RCIC-902N							
	VT3H	1HV-0252	ACC				NO RECORDABLE INDICATIONS EXPANDED SAMPLE FOR RCIC-53
RCIC-53							
	VT3H	1HV-0248				ACC	SPR SETTINGS: N=1820 S=1720 NO RECORDABLE INDICATIONS SPR SETTIINGS ACC PER ENGINEERING EVALUATION
RCIC-901N							
	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R8
DRAWING NO. RCIC-205

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RCIC(6)-4
DESCRIPTION: RCIC PUMP DISCHARGE

DATE 08/20/93

IDENT..NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
6RCIC(6)-1							
	VOL	1RIU-052	45				NO RECORDABLE INDICATIONS NO EXAM UPSTRM DUE TO TEE CONFIG HALF NODE CAL FOR SCANS C&D FULL NODE CAL FOR SCAN B

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R8
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

DATE 08/20/93

IDENT..NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
HPCS-PB-101(L)	VT-2	1VT2-93	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R8
DRAWING NO. HPCS-202

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

DATE 08/20/93

IDENT..NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
10HPCS(9)-1							
	VOL	1HPU-020	45				NO RECORDABLE INDICATIONS CIRC SCAN ONLY
HPCS-31							
	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
HPCS-32							
	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
HPCS-33							
	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
HPCS-34							
	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R8
DRAWING NO. HPCS-265

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

DATE 08/20/93

IDENT..NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
HPCS-921N							
	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
HPCS-12							
	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
HPCS-922N							
	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R8
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

DATE 08/20/93

IDENT..NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
LPCS-13							
	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
LPCS-PB-101(L)							
	VT-2	1VT2-93	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: 98
DRAWING NO. LPCS-202

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

DATE 08/20/93

IDENT.NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
16LPCS(1)-5	THK	5-93-54-	ACC				THICKNESS MEASUREMENT UPSTREAM OF WELD IN BLENDED AREA

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R8
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"

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
RHR-231(J)	SUR	1RHM-076	ACC				NO RECORDABLE INDICATIONS
RHR-V-41A-BLT	VT-1	1RHV-031		ACC			LIGHT SURFACE RUST. NO APPARENT MATERIAL LOSS
RHR-PB-101(L)	VT-2	1VT2-93	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R8
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"

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
RHR-483(J)							
	SUR	1RHM-053	ACC				NO RECORDABLE INDICATIONS
14LPCI(1)B-4							
	VOL	1RHU-103		45			ID GEOMETRY RECORDED 90-180 AND 180-270
	SUR	1RHM-052	ACC				NO RECORDABLE INDICATIONS
14LPCI(1)B-5							
	VOL	1RHU-104		45			ID GEOMETRY RECORDED 0-90 DEG
	SUR	1RHM-052	ACC				NO RECORDABLE INDICATIONS
RHR-PB-102(L)							
	VT-2	1VT2-93	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: 38
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

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
RHR-V-42C-BLT							
	VT-1	1RHV-030	ACC				MINOR DEBRI ON FLANGE SURFACE
14LPCI(1)C-1							
	VOL	1RHU-102	45				NO RECORDABLE INDICATIONS EXAM LIMITED BY VALVE CONFIG. SEE NOTE 1
	SUR	1RHM-054	ACC				NO RECORDABLE INDICATIONS
14LPCI(1)C-8							
	VOL	1RHU-101		45			INTERMITTENT, 0-360 DEG, AT VARYING LOWER AMPLITUDE. ID GEO
	SUR	1RHM-051	ACC				NO RECORDABLE INDICATIONS
RHR-V-41C-BLT							
	VT-1	1RHV-034		ACC			LIGHT SURFACE RUST NO APPARENT MATERIAL LOSS
RHR-V-111C-BLT							
	VT-1	1RHV-032		ACC			LIGHT SURFACE RUST. NO APPARENT MATERIAL LOSS
RHR-PB-103(L)							
	VT-2	1VT2-93	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R8
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

DATE 08/20/93

IDENT.NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
20RHR(2)-5							
	VOL	1RHU-110	45				NO RECORDABLE INDICATIONS
	SUR	1RHM-068	ACC				NO RECORDABLE INDICATIONS
RHR-PP-104(L)							
	VT-2	1VT2-93	ACC				NO RECORDABLE INDICATIONS

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

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
RHR-504	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
RHR-SA-40	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
RHR-SA-39	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
12RHR(1)A-15	VOL	1RHU-108	45				NO RECORDABLE INDICATIONS
	SUR	1RHM-058	ACC				NO RECORDABLE INDICATIONS
RHR-SA-38	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
RHR-506	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
RHR-SA-36	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
RHR-SA-35	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
12RHR(1)A-13	VOL	1RHU-109	45				NO RECORDABLE INDICATIONS
	SUR	1RHM-059	ACC				NO RECORDABLE INDICATIONS
12RHR(1)A-14	VOL	R-R8-136		45,60			ROOT AND ID GEOMETRY
	SUR	1RHP-068	ACC				NO RECORDABLE INDICATIONS
RHR-V-112A-BLT	VT-1	1RHV-033		ACC			LIGHT SURFACE RUST. NO APPARENT MATERIAL LOSS

LNP-02
INTERVAL: 01
PERIOD: 12
OUTAGE: 22
DRAWING NO. RHR-135

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

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
RHR-PB-105(L)	VT-2	1VT2-93	ACC				NO RECORDABLE INDICATIONS

RHP-02
INTERVAL: 11
PERIOD: 13
OUTAGE: 08
DRAWING NO. RHP-1P6

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

DATE 08/20/93

IDENT. NO.	EXAM. PTS.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
12RHR(1)P-1							
	VOL	1RHU-107	45				NO RECORDABLE INDICATIONS
	SUR	1RHM-057	ACC				NO RECORDABLE INDICATIONS
12RHR(1)P-7							
	VOL	1RHU-105	45				NO RECORDABLE INDICATIONS
	SUR	1RHM-055	ACC				NO RECORDABLE INDICATIONS
12RHR(1)P-6							
	VOL	1RHU-106	45				NO RECORDABLE INDICATIONS
	SUR	1RHM-056	ACC				NO RECORDABLE INDICATIONS
12RHR(1)P-12LUG							
	VOL	R-R8-113	45				NO RECORDABLE INDICATIONS
	SUR	1RHP-067	ACC				NO RECORDABLE INDICATIONS
12RHR(1)P-12							
	SUR	1RHP-067	ACC				NO RECORDABLE INDICATIONS
12RHR(1)P-13							
	VOL	R-R8-112	60	45			45 DEG RECORDED COUNTERBORE GEOMETRY NO EXAM VALVE SIDE DUE TO CONFIG. SEE NOTE 1
	SUR	1RHP-067	ACC				NO RECORDABLE INDICATIONS
RHP-V-112B-BLT							
	VT-1	1RHV-029	ACC				NO RECORDABLE INDICATIONS
RHP-PR-106(L)							
	VT-2	1VT2-93	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: 08
DRAWING NO. RHR-201

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

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
RHR-159							
	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
18RHR(1)A-4							
	VOL	1RHU-111	45				NO RECORDABLE INDICATIONS
	SUR	1RHM-071	ACC				NO RECORDABLE INDICATIONS
18RHR(1)A-5							
	VOL	1RHU-112	45				NO RECORDABLE INDICATIONS
	SUR	1RHM-071	ACC				NO RECORDABLE INDICATIONS
RHR-161							
	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
18RHR(1)A-6							
	VOL	1RHU-113	45				NO RECORDABLE INDICATIONS
	SUR	1RHM-071	ACC				NO RECORDABLE INDICATIONS
RHR-162							
	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-163							
	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-164							
	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-165							
	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-188(W)							
	SUR	1RHM-080	ACC				NO RECORDABLE INDICATIONS
RHR-188							
	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-979N							
	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS

WASHINGTON PUBLIC [illegible]R SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RHR(1)-2
DESCRIPTION: STM SPLY TO RHR HX1A

IDENT. ID.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
1RFHR(1)4-21							
	VT	1RHU-122	45				NO RECORDABLE INDICATIONS
	SUR	1PRM-079	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R8
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

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
RHR-419(S)							
	SUR	1RHM-061	ACC				NO RECORDABLE INDICATIONS
RHR-419							
	VTSH	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-420(S)							
	SUR	1RHM-060	ACC				NO RECORDABLE INDICATIONS

UNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R8
DRAWING NO. RHP-209

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

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
RHR-76(X)	SUR	1RHM-064	ACC				NO RECORDABLE INDICATIONS
18RHR(2)A-12	VOL	1RHU-117	45				NO RECORDABLE INDICATIONS
	SUR	1RHM-069	ACC				NO RECORDABLE INDICATIONS
24RHR(2)A-2	VOL	1RHU-116	45				NO RECORDABLE INDICATIONS
	SUR	1RHM-069	ACC				NO RECORDABLE INDICATIONS
RHP-917X(W)	SUR	1RHM-072	ACC				NO RECORDABLE INDICATIONS
24RHR(2)A-6	VOL	1RHU-115	45				NO RECORDABLE INDICATIONS
	SUR	1RHM-069	ACC				NO RECORDABLE INDICATIONS
24RHR(2)A-10	VOL	1RHU-114	45				NO RECORDABLE INDICATIONS
	SUR	1RHM-070	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 15
OUTAGE: 18
DRAWING NO. RHR-20[illegible]

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT 20RHR(8)-2
DESCRIPTION: RHR-LPCS CROSSTIE

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
20RHR(8)A-15							
	VOL	1RHU-123	45				NO RECORDABLE INDICATIONS
	SUR	1RHM-078	ACC				NO RECORDABLE INDICATIONS
20RHR(8)A-4							
	VOL	1RHU-118	45				NO RECORDABLE INDICATIONS
	SUR	1RHM-073	ACC				NO RECORDABLE INDICATIONS
RHR-130							
	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-131							
	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-432							
	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
20RHR(8)A-17							
	VOL	1RHU-124	45				NO RECORDABLE INDICATIONS
		1RHU-125	45				NO RECORDABLE INDICATIONS SUPPLEMENTAL FULL VOLUME EXAM 270-315 TO SUPPLEMENT MT EXAM SEE REPORT 1RHM-077
	SUR	1RHM-077				REJ	270-315 DEG LINEAR 5.3" X .1" INDICATION IS BROAD AND FUZZY. EXAMINED BY PT AND UT NO RECORDABLE INDICATIONS. THESE ADDITIONAL EXAMS VERIFY THAT MT INDICATION IS NON-RELEVANT.

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: 38
DRAWING NO. RHR-206

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT 20RHR(8)-2
DESCRIPTION: RHR-LPCS CROSSTIE

DATE 08/20/93

IDENT.NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
		1RHP-069	ACC				NO RECORDABLE INDICATIONS. SEE REPORT 1RHM-077.
RHR-132	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-91aN	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-55	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: 88
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

DATE 08/20/93

IDENT.NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
RHR-918A(W)	SUR	1RHM-065	ACC				NO RECORDABLE INDICATIONS
RHR-924A(W)	SUR	1RHM-081	ACC				NO RECORDABLE INDICATIONS
RHR-473	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-475	VT3H	1HV-0251		ACC			INTERFERENCE WITH SHIELD WALL EVALUATED AS ACCEPTABLE. SNUBBER STOKED AND FOUND OPERABLE
RHR-496(W)	SUR	1RHM-066	ACC				NO RECORDABLE INDICATIONS
RHR-494	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-496	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-497	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-185(W)	SUR	1RHM-067	ACC				NO RECORDABLE INDICATIONS
RHR-218(W)	SUR	1RHM-062	ACC				NO RECORDABLE INDICATIONS
RHR-184(W)	SUR	1RHM-063	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: 23
DRAWING NO. RHR-210

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RHR(1)-2
DESCRIPTION: LOOP C/LPCI RETURN

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
RHR-323	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-1021N	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-322	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-321	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-311	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-303	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-302	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-301	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-304	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-298	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-324	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-337	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-338	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-973N	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-972N	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R8
DRAWING NO. RHR-210

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RHR(1)-2
DESCRIPTION: LOOP C/LPCI RETURN

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
RHR-345	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-347	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-346	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-348	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-349	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
14RHR(1)C-1	VOL	1RHU-100	ACC				NO RECORDABLE INDICATIONS
	SUR	1RHM-049	ACC				NO RECORDABLE INDICATIONS
RHR-296	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-295	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
14RHR(1)C-6	VOL	1RHU-099	45				NO RECORDABLE INDICATIONS
	SUR	1RHM-050	ACC				NO RECORDABLE INDICATIONS
RHR-98	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-97	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-96	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-95	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: P3
OUTAGE: R8
DRAWING NO. RHR-210

WASHINGTON PUBLIC P[illegible]R SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RHR(1)-2
DESCRIPTION: LOOP C/LPCI RETURN

DATE 08/20/93

IDENT.NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
RHR-94	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-90	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-91	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-99[illegible]	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-31[illegible]	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-319	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-997N	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-320	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS

PUP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: 05
DRAWING NO. PHP-211

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RHR(3)-1
DESCRIPTION: RHR-P-2C SUCTION

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
24RHR(3)-2							
	VOL	1RHU-121	45				NO RECORDABLE INDICATIONS
	SUR	1RHM-075	ACC				NO RECORDABLE INDICATIONS
24RHR(3)-2/3(17)-1							
	SUR	1RHM-074	ACC				NO RECORDABLE INDICATIONS
RHR-90[illegible]N							
	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHP-900N							
	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHP-47							
	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
24RHR(3)-6							
	VOL	1RHU-120	45				NO RECORDABLE INDICATIONS
	SUR	1RHM-075	ACC				NO RECORDABLE INDICATIONS
RHP-46							
	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
24RHR(3)-8							
	VOL	1RHU-119		45			270-360 DEG 75% DAC ROOT GEO
	SUR	1RHM-075	ACC				NO RECORDABLE INDICATIONS
RHR-966N							
	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-41							
	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-139							
	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-40							
	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: 3R
DRAWING NO. 2HR-211

WASHINGTON PUBLIC [illegible]R SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RHR(3)-1
DESCRIPTION: RHR-P-2C SUCTION

DATE 08/20/93

IDENT.NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
RHR-39	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-35	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-37	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-51	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-50	VT3H	1HV-0247	ACC				NO REOCRDABLE INDICATIONS
RHR-42	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-43	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: 38
DRAWING NO. RHR-212

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RHR(16)-1
DESCRIPTION: COND MODE SUPPLY

DATE 08/20/93

IDENT.NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
RHR-390	VT4H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-391	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-392	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-393	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-394	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R8
DRAWING NO. 2HR-216

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RHR(28)-1
DESCRIPTION: RHR HEAT EXCHANGE 1A

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO. INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	OTHER	REMARKS
RHR-9549	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: 28
DRAWING NO. RHR-024

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RHR(28)-1
DESCRIPTION: RHR HEAT EXCHANGE 1A

DATE 08/20/93

IDENT. ID.	EXAM. MTD.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
RHR-949V	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-959V	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
RHR-931V	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R8
DRAWING NO. RHR-232

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT RHR(28)-1
DESCRIPTION: RHR HEAT EXCHANGE 1A

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
RHR-98/N	N/A	1HV-0247	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 61
PERIOD: 03
OUTAGE: R8
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

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
26MS(1)A-7/9MSR-4A							
	VOL	1MSU-078	45				NO RECORDABLE INDICATIONS
	SUR	1MSM-045	ACC				NO RECORDABLE INDICATIONS
26MS(1)A-7/9MSR-3A							
	VOL	1MSU-079	45				NO RECORDABLE INDICATIONS
	SUR	1MSM-045	ACC				NO RECORDABLE INDICATIONS
MS-SA-4							
	VT-H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
MS-HA-2							
	VT-H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
MS-V-12A-BLT							
	VT-1	1MSV-150		ACC			LIGHT SURFACE RUST ON NUTS NO APPARENT MATERIAL LOSS
MS-V-28A-BLT							
	VT-1	1MSV-145	ACC				NO RECORDABLE INDICATIONS
MS-FB-121(L)							
	VT-2	1VT2-93	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: 39
DRAWING NO. MS-102

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

DATE 08/20/93

IDENT.NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
MS-HB-1							
	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
MS-SB-7							
	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
MS FLUED HEAD 3							
	SUR	1MSM-039	ACC				NO RECORDABLE INDICATIONS
MS-PB-1^2(L)							
	VT-2	1VT2-93	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 02
OUTAGE: 28
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

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
MS-PB-103(L)	VT-2	1VT2-93	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: 08
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

DATE 08/20/93

IDENT.NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
26MS(1)D-7/8MSR-4D							
	VOL	1MSU-083	45				NO RECORDABLE INDICATIONS
	SUR	1MSM-047	ACC				NO RECORDABLE INDICATIONS
26MS(1)D-7/8MSR-3D							
	VOL	1MSU-082	45				NO RECORDABLE INDICATIONS
	SUR	1MSM-047	ACC				NO RECORDABLE INDICATIONS
26MS(1)D-7/8MSR-2D							
	VOL	1MSU-081	45				NO RECORDABLE INDICATIONS
	SUR	1MSM-047	ACC				NO RECORDABLE INDICATIONS
26MS(1)D-7/8MSR-1D							
	VOL	1MSU-080	45				NO RECORDABLE INDICATIONS
	SUR	1MSM-047	ACC				NO RECORDABLE INDICATIONS
26MS(1)D-8							
	VOL	1MSU-085	45				NO RECORDABLE INDICATIONS
	SUR	1MSM-050	ACC				NO RECORDABLE INDICATIONS
26MS(1)D-8LDI							
	VOL	1MSU-087	45				NO RECORDABLE INDICATIONS
	SUR	1MSM-050	ACC				NO RECORDABLE INDICATIONS
26MS(1)D-8LDO							
	VOL	1MSU-086	45				NO RECORDABLE INDICATIONS
	SUR	1MSM-050	ACC				NO RECORDABLE INDICATIONS
26MS(1)D-9LUI							
	VOL	1MSU-090	45				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R8
DRAWING NO. 2S-124

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

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO. INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
26MS(1)D-9LUO	SUR	1MSM-051	ACC				NO RECORDABLE INDICATIONS
	VOL	1MSU-089	45				NO RECORDABLE INDICATIONS
26MS(1)D-9	SUR	1MSM-051	ACC				NO RECORDABLE INDICATIONS
	VOL	1MSU-088	45				NO RECORDABLE INDICATIONS
MS-SD-4	SUR	1MSM-051	ACC				NO RECORDABLE INDICATIONS
	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
MS-HD-2(4)	SUR	1MSM-046	ACC				NO RECORDABLE INDICATIONS
MS-HD-2	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
MS-SD-1	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
MS-SD-2	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
26MS(1)D-16	VOL	1MSU-084	45				NO RECORDABLE INDICATIONS
MS FLUED HEAD D	SUR	1MSM-049	ACC				NO RECORDABLE INDICATIONS
26MS(1)D-17	SUR	1MSM-040	ACC				NO RECORDABLE INDICATIONS
MS-V-29D/2MS(9)-4	VOL	1MSU-074	45				NO RECORDABLE INDICATIONS
	SUR	1MSM-041	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: 08
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

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
MS-PB-104(L)	VT-2	1VT2-93	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: 88
DRAWING NO. MS-105

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

DATE 08/20/93

IDENT. NO.	EXAM. MTD.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
MS-DB-135(L)	VT-2	1VT2-93	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R8
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

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
4MS(12)-100	VT-1	1MSV-151	ACC				NO RECORDABLE INDICATIONS PSI ON NEW BOLTS PLAN 2-0951
4MS(12)-2	VOL	1MSU-073	45				NO RECORDABLE INDICATIONS
MS-2619-16	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
MS-2619-17	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
MS-2619-21	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
MS-2619-211	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
MS-2619-22	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
MS-2619-24	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
MS-PB-106(L)	VT-2	1VT2-93	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R8
DRAWING NO. MS-201

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

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
MS-137							
	VT3H	1HV-0247	ACC				NO RECORDABLE INDICATIONS
26MS(1)A-19/3V-20							
	SUR	1MSM-037	ACC				NO RECORDABLE INDICATIONS
MS-123							
	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
MS-121							
	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
30MS(1)A-7LJ							
	VOL	1MSU-096	45				NO RECORDABLE INDICATIONS
	SUR	1MSM-058	ACC				NO RECORDABLE INDICATIONS
30MS(1)A-7							
	VOL	1MSU-092	45				NO RECORDABLE INDICATIONS
	SUR	1MSM-053	ACC				NO RECORDABLE INDICATIONS
30MS(1)A-7LDI							
	VOL	1MSU-092	45				NO RECORDABLE INDICATIONS
	SUR	1MSM-053	ACC				NO RECORDABLE INDICATIONS
30MS(1)A-7LDO							
	VOL	1MSU-092	45				NO RECORDABLE INDICATIONS
	SUR	1MSM-053	ACC				NO RECORDABLE INDICATIONS
MS-120							
	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
MS-119							
	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
MS-118							
	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS

UNIT-02
INTERVAL: C1
PERIOD: 03
OUTAGE: 08
DRAWING NO. MS-201

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

DATE 08/20/93

IDENT. NO.	EXAM. METH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
MS-115	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
MS-103	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
MS-101	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
30MS(1)A-16LUO	VOL	1MSU-093	45				NO RECORDABLE INDICATIONS
	SUR	1MSM-054	ACC				NO RECORDABLE INDICATIONS
30MS(1)A-16	VOL	1MSU-093	45				NO RECORDABLE INDICATIONS
	SUR	1MSM-054	ACC				NO RECORDABLE INDICATIONS
30MS(1)A-16LD	VOL	1MSU-095	45				NO RECORDABLE INDICATIONS
	SUR	1MSM-057	ACC				NO RECORDABLE INDICATIONS
MS-100	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
MS-99H	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
MS-98	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
MS-97	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
18MS(1)A-3	VOL	1MSU-091	45				NO RECORDABLE INDICATIONS
	SUR	1MSM-052	ACC				NO RECORDABLE INDICATIONS

SNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R8
DRAWING NO. MS-211

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

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
MS-139	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
MS-140	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
18MS(1)A-9	VOL	1MSU-094	45				NO RECORDABLE INDICATIONS
	SUR	1MSM-055	ACC				NO RECORDABLE INDICATIONS
18MS(1)A-2	VOL	1MSU-094	45				NO RECORDABLE INDICATIONS
	SUR	1MSM-055	ACC				NO RECORDABLE INDICATIONS
MS-94	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
MS-95	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
MS-96	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
MS-93	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
MS-92AH	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
MS-91	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R8
DRAWING NO. MS-202

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

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
26MS(1)B-20LD	VOL	1MSU-075	45				NO RECORDABLE INDICATIONS
	SUR	1MSM-038	ACC				NO RECORDABLE INDICATIONS
26MS(1)B-20	VOL	1MSU-072			45		INTERMITTENT AT VARYING LOWER AMPLITUDES. ID GEO
	SUR	1MSM-036	ACC				NO RECORDABLE INDICATIONS
26MS(1)B-20LD	VOL	1MSU-076	45				NO RECORDABLE INDICATIONS
	SUR	1MSM-038	ACC				NO RECORDABLE INDICATIONS
26MS(1)B-20/3V-20	SUR	1MSM-043	ACC				NO RECORDABLE INDICATIONS
MS-174	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
MS-173	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
MS-171	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
MS-997N	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
MS-998N	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
MS-170	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
MS-168	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: RR
DRAWING NO. MS-202

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

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
MS-167	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
MS-9967	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
MS-163	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
MS-160	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
MS-152	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
MS-157	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
MS-154	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
MS-177	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
MS-147	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
MS-148	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
MS-145	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: 88
DRAWING NO. MS-203

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

DATE 08/20/93

IDENT.NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
26MS(1)C-20/3V-20							
	SUR	1MSM-042	ACC				NO RECORDABLE INDICATIONS
MS-921N							
	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
MS-38							
	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
MS-37							
	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
MS-1001N							
	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
MS-36							
	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
MS-1000N							
	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
MS-34							
	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
MS-33							
	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
MS-999N							
	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
MS-48							
	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
MS-994N							
	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
MS-27							
	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
MS-26							
	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS

ANF-02
INTERVAL: 01
PERIOD: 03
OUTAGE: 08
DRAWING NO. MS-204

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

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
MS-71(2)	SUR	1MSM-056	ACC				NO RECORDABLE INDICATIONS
MS-63	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
MS-906N	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
MS-62	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
MS-61	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
MS-1008N	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
MS-59	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
MS-57	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
MS-53	VT3H	1HV-0255		ACC			LOOSE LOCK NUT. EVALUATED AS FUNCTIONAL.
MS-54	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
MS-51	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
MS-1005N	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS
MS-50	VT3H	1HV-0248	ACC				NO RECORDABLE INDICATIONS

SNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: RF
DRAWING NO. PO-205

WASHINGTON PUBLIC POWER SUPPLY SYSTEM
NON-DESTRUCTIVE EXAMINATION SUMMARY TABLE
SYSTEM OR COMPONENT MS(1)-4
DESCRIPTION: MS HDR / BYPASS VLV

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
24MS(1)-2							
	VGL	1MSU-077	45				NO RECORDABLE INDICATIONS
	SUR	1MSM-044	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: 2R
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

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
24RFW(1)A-1A	VOL	1FWU-108	45				NO RECORDABLE INDICATIONS CIRC SCAN ONLY
24RFW(1)A-1	VOL	1FWU-109	45				NO RECORDABLE INDICATIONS CIRC SCAN ONLY
24RFW(1)A-1/5RFW(11)-4	VOL	1FWU-113	45				NO RECORDABLE INDICATIONS CIRC SCAN ONLY
5RFW(11)A-2	VOL	1FWU-112	45				NO RECORDABLE INDICATIONS
	SUR	1FWM-026	ACC				NO RECORDABLE INDICATIONS
5RFW(11)A-1	SUR	1FWM-026	ACC				NO RECORDABLE INDICATIONS
24RFW(1)A-2	VOL	1FWU-110	45				NO RECORDABLE INDICATIONS
24RFW(1)A-3	VOL	1FWU-111	45				NO RECORDABLE INDICATIONS CIRC SCAN ONLY
24RFW(1)A-5	VOL	1FWU-132	45				NO RECORDABLE INDICATIONS CIRC SCAN ONLY
24RFW(1)A-6	VOL	1FWU-133	45				NO RECORDABLE INDICATIONS CIRC SCAN ONLY
24RFW(1)A-7	VOL	1FWU-120	45				NO RECORDABLE INDICATIONS CIRC SCAN ONLY

WNP-2
INTERVAL: 01
PERIOD: 03
OUTAGE: R8
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

DATE 08/20/93

IDENT. NO.	EXAM. MTD.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
RFW-18-(%)							
	SUR	1FWM-029	ACC				NO RECORDABLE INDICATIONS
24RFW(1)A-8							
	VOL	1FWU-121	45				NO RECORDABLE INDICATIONS
	SUR	1FWM-027	ACC				NO RECORDABLE INDICATIONS
24RFW(1)A-15							
	VOL	1FWU-123	45				NO RECORDABLE INDICATIONS CIRC SCAN ONLY
12RFW(1)AC-12							
	VOL	R-R8-137		45			ROOT AND ID GEOMETRY
12RFW(1)AC-13							
	VOL	R-R8-138	60	45			45 RL AND SHEAR RECORDED ROOT AND INSIDE SURFACE GEOMETRY DWNSTRM EXAM LIMITED TO "W" OF 1.5" FROM WCL DUE TO NOZZLE CONFIG SEE NOTE 1
24RFW(1)A-17							
	VOL	1FWU-129	45				NO RECORDABLE INDICATIONS
	SUR	1FWM-032	ACC				NO RECORDABLE INDICATIONS
18RFW(1)A-1							
	VOL	1FWU-127	45				NO RECORDABLE INDICATIONS WELD IS STAMPED 18RHR(1)A-1
	SUR	1FWM-032	ACC				NO RECORDABLE INDICATIONS
18RFW(1)A-2							
	VOL	1FWU-131		45			ID GEOMETRY 270-0 AND 0-90 RECORDED AS A SPOT

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: 38
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

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
18RFW(1)A-4	SUR	1MSM-048	ACC				NO RECORDABLE INDICATIONS
	VOL	1FWU-128	45				NO RECORDABLE INDICATIONS
RFW-1530(X)	SUR	1FWM-032	ACC				NO RECORDABLE INDICATIONS
RFW-PR-101(L)	SUR	1FWM-035	ACC				NO RECORDABLE INDICATIONS
	VT-2	1VT2-93	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R8
DRAWING NO. FW-102

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

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO. INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
24RFW(1)B-1A							
	VOL	1FWU-117	45				NO RECORDABLE INDICATIONS EXAM LIMITED BY VALVE CONFIG SEE NOTE 1
24RFW(1)B-1							
	VOL	1FWU-114	45				NO RECORDABLE INDICATIONS CIRC SCAN ONLY
24RFW(1)B-1/5RFW(11)-4							
	VOL	1FWU-118	45				NO RECORDABLE INDICATIONS CIRC SCAN ONLY
5RFW(11)B-2							
	VOL	1FWU-119	45				NO RECORDABLE INDICATIONS CIRC SCAN INCLUDED
24RFW(1)B-2							
	VOL	1FWU-115	45				NO RECORDABLE INDICATIONS CIRC SCAN ONLY
24RFW(1)B-3							
	VOL	1FWU-116	45				NO RECORDABLE INDICATIONS CIRC SCAN ONLY
RFW-162(W)							
	SUR	1FWM-028	ACC				NO RECORDABLE INDICATIONS
RFW-164							
	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
24RFW(1)B-8							
	VOL	1FWU-122		45			INDICATIONS CAN BE SEEN 360 DEG BELOW RECORDABLE LEVEL.
12RFW(1)BF-2							
	VOL	1FWU-134	45				NO RECORDABLE INDICATIONS
	SUR	1FWP-069	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: RP
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

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
12RFW(1)BF-7							
	VOL	1FWU-135	45				NO RECORDABLE INDICATIONS
	SUR	1FWM-034	ACC				NO RECORDABLE INDICATIONS
12RFW(1)BF-8							
	VOL	1FWU-130	45				NO RECORDABLE INDICATIONS
	SUR	1FWM-033	ACC				NO RECORDABLE INDICATIONS
24RFW(1)B-17							
	VOL	1FWU-124	45				NO RECORDABLE INDICATIONS
	SUR	1FWM-030	ACC				NO RECORDABLE INDICATIONS LIMITED EXAM FROM 0-90 DEG AND 180-360 DUE TO ACCESS. 90-180 DEG EXAMINED PT REPORT 1FWP-068
		1FWP-068	ACC				NO RECORDABLE INDICATIONS LIMITED EXAM FROM 90-180 DEG SEE REPORT 1FWM-030 FOR REMAINING EXAM
18RFW(1)B-1							
	VOL	1FWU-126	45				NO RECORDABLE INDICATIONS
	SUR	1FWM-031	ACC				NO RECORDABLE INDICATIONS
18RFW(1)B-4							
	VOL	1FWU-125	45				NO RECORDABLE INDICATIONS
	SUR	1FWM-031	ACC				NO RECORDABLE INDICATIONS
RFW-183(W)							
	SUR	1FWM-036	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: 88
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

DATE 08/20/93

IDENT. NO.	EXAM. MTD.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
RFW-PR-102(L)	VT-2	1VT2-93	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 93
OUTAGE: 38
DRAWING NO. RFW-103

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

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF. INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
RFW-FR-103(L)	VT-2	1VT2-93	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: R8
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

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
RRC-SA-2(W)	SUR	1RRP-120	ACC				NO RECORDABLE INDICATIONS
RRC-SA-1(W)	SUR	1RRP-122	ACC				NO RECORDABLE INDICATIONS
4RRC(R)2A-2HD	VT-1	1RRV-026	ACC				NO RECORDABLE INDICATIONS
4RRC(R)1A-2HD	VT-1	1RRV-027	ACC				NO RECORDABLE INDICATIONS
RRC-SA-6	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
RRC-SA-7	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
RRC-V-47A-BLT	VT-1	1RRV-028		ACC			LIGHT SURFACE RUST
RRC-SA-15	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
24RRC(1)A-20/12RRC(7)-4S	VOL	R-R8-125	45,60				NO RECORDABLE INDICATIONS SCAN LIMITED ONE SIDE TO SWEEPOLET CONFIG. SEE NOTE 1
	SUR	1RRP-121	ACC				1/8" ROUND 180-90 DEG
RRC-SA-8	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
RRC-SA-9	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
RRC-SA-17	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS
RRC-SA-18	VT3H	1HV-0246	ACC				NO RECORDABLE INDICATIONS

WNP-02
INTERVAL: 01
PERIOD: 03
OUTAGE: 08
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

DATE 08/20/93

IDENT. NO.	EXAM. MTH.	EXAM. DATA SHEET NO.	EXAMINATION RESULTS NO INDIC.	INSIGNIF INDIC.	SIGNIFICANT GEOMETRY	SIGNIFICANT OTHER	REMARKS
RRC-PB-101(L)	VT-2	1VT2-93	ACC				NO RECORDABLE INDICATIONS

APPENDIX C

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

This appendix summarizes ASME Section XI repair or replacement work performed and closed out between July 19, 1992 and June 21, 1993. The status of the NIS-2 Owner's Report is stated for each repair and replacement work performed.

PLAN NO	MWR NO	COMPONENT NUMBER / WORK DESCRIPTION	DESC OF COMP	R&R REPORTED IN
2-0728	AR 6375	Replaced mechanical seal for pump FPC-P-1A	Pump	RF93A Summary Report
2-0729	AR 6375	Installed pump case vent for pump FPC-P-1A	Piping	See Note 1
2-0737	AR 7283	Modified test connection with valves HPCS-V-37 and HPCS-V-38	Piping	RF93A Summary Report
2-0739	AR 7285	Modified test connection with valves LPCS-V-37 and LPCS-V-38	Piping	RF93A Summary Report
2-0740	AR 7299	Modified test connection with valves RHR-V-157C and RHR-V-158C	Piping	RF93A Summary Report
2-0771	AR 9071	Fabricated and installed restriction orifice for SW-FE-69A	Piping	RF93A Summary Report
2-0772	AR 9072	Fabricated and installed restriction orifice for SW-FE-69B	Piping	RF93A Summary Report
2-0777	AR 7431	Replaced body to bonnet bolting for valve RHR-V-50B	Valve	RF93A Summary Report
2-0778	AR 6913	Performed work for JCI support B-220-1077-145	Support	RF93A Summary Report
2-0779	AR 6913	Performed work for PDM reinforcement structural steel	Support	RF93A Summary Report
2-0780	AR 7435	Modified test connection with valves RHR-V-157B and RHR-V-158B	Piping	RF93A Summary Report
2-0782	AR 7425	Modified test connection with valves HPCS-V-713 and HPCS-V-714	Piping	RF93A Summary Report
2-0806	AR 4935	Replaced stem/disc assembly for valve MS-V-1	Valve	RF93A Summary Report
2-0817	AR 7595	Replaced disc insert for relief valve CCH-RV-2A	Relief valve	RF93A Summary Report
2-0819	AR 8426	Installed test port for relief valve HPCS-RV-35	Relief Valve	RF93A Summary Report
2-0820	AR 6609	Removed scratches on the disc seating surface for valve MS-V-41	Valve	RF93A Summary Report
2-0826	AR 5436	Plugged tube for heat exchanger OG-HX-1B	Heat Exchanger	RF93A Summary Report
2-0851	AR 8906	Machined defects on plug seating surface for valve RHR-FCV-64B	Valve	RF93A Summary Report
2-0852	AR 8990	Replaced wedge for valve RHR-V-27B	Valve	RF93A Summary Report
2-0853	AR 9103	Replaced relief valve HPCS-RV-35 inlet piping material	Piping	RF93A Summary Report
2-0855	AR 8988	Replaced disc for relief valve RHR-RV-25A	Relief valve	RF93A Summary Report
2-0859	AR 9075	Installed cathodic protection for spray pond siphon pipe - Spray Pond 1B	Piping	RF93A Summary Report
2-0860	AR 9080	Removed vent valves SW-V-168B and SW-V-169B	Piping	RF93A Summary Report
2-0869	AP 0086	Modified connection with failed weld for valve FPC-V-730	Piping	RF93A Summary Report
2-0871	AR 9426	Fabricated and installed restriction orifice for SW-RO-12A	Piping	RF93A Summary Report
2-0873	AR 9977	Installed thermowells and annubars in SW piping (DG-1)	Piping	RF93A Summary Report
2-0874	AR 9976	Installed thermowells and annubars in SW piping (DG-2)	Piping	RF93A Summary Report
2-0875	AP 0081	Installed thermowells in SW piping (DG-3)	Piping	RF93A Summary Report
2-0877	AR 9070	Body to bonnet seal weld for valve SW-V-931B	Valve	RF93A Summary Report
2-0878	AP 0686	Installed flushing taps for Scram Discharge Volume (SDV - CRD)	Piping	RF93A Summary Report
2-0886	AP 0421	Modified connection with valve PI-V-901	Piping	RF93A Summary Report
2-0889	AP 0244	Replaced disc insert and nozzle for relief valve S/N 63790-00-0120	Relief Valve	RF93A Summary Report
2-0890	AP 0245	Replaced disc insert and nozzle for relief valve S/N 63790-00-0057	Relief Valve	RF93A Summary Report
2-0891	AP 0246	Replaced disc insert and nozzle for relief valve S/N 63790-00-0122	Relief Valve	RF93A Summary Report
2-0893	AP 0644	Refurbished and reinstalled MS-RV-3D, S/N N63790-00-0126	Relief Valve	RF93A Summary Report
2-0897	AP 0640	Replaced existing relief valve MS-RV-3C with spare S/N N63790-00-0052	Relief Valve	RF93A Summary Report
2-0898	AP 0639	Replaced existing relief valve MS-RV-3A with spare S/N N63790-00-0057	Relief Valve	RF93A Summary Report
2-0900	AP 0427	Installed lap joint flange for relief valve RHR-RV-88B	Piping	See Note 1
2-0905	AR 8762	Body to bonnet seal weld for valve DO-V-41A	Valve	See Plan No 2-0959
2-0910	AP 2671	Replaced relief valve RHR-RV-36 with blind flanges - Pre outage	Piping	RF93A Summary Report
2-0910	AP 1457	Replaced relief valve RHR-RV-36 with blind flanges - Outage	Piping	RF93A Summary Report
2-0911	AP 2245	Removed drain connection with valves MS-V-238B and MS-V-239	Piping	RF93A Summary Report
2-0913	AP 0081	Installed instrument tubing for SW-FT-9	Tubing	See Note 1
2-0914	AR 8980	Body to bonnet seal weld for valve SW-V-36	Valve	RF93A Summary Report
2-0915	AR 8981	Body to bonnet seal weld for valve SW-V-37	Valve	RF93A Summary Report
2-0917	AR 9069	Body to bonnet seal weld for valve SW-V-109A	Valve	RF93A Summary Report
2-0918	AP 0388	Replaced disc for relief valve RRC-RV-34A	Relief Valve	See Note 1
2-0923	AP 1954	Refurbished and reinstalled MS-RV-2B, S/N N63790-00-0049	Relief Valve	RF93A Summary Report
2-0926	AP 1952	Refurbished and reinstalled MS-RV-3B, S/N N63790-00-0053	Relief Valve	RF93A Summary Report
2-0927	AP 1951	Refurbished and reinstalled MS-RV-1C, S/N N63790-00-0046	Relief Valve	RF93A Summary Report
2-0945	AP 3471	Installed and seal welded leak off connection for valve MS-V-146	Valve	See Plan No 2-0958
2-0953	AP 3765	Modified instrument lines PI(1)-4S-X37e and PI(1)-4S-X37f	Piping	See Note 1
2-0958	AP 3471	Installed and seal welded leak off connection for valve MS-V-146	Valve	See Note 1
2-0959	AR 8762	Replaced valve DO-V-41A	Valve	See Note 1
2-0970	AP 4031	Installed U bolt for support B-220-1073-35 on Dwg D-220-9.0-X39d	Tubing	See Note 1
N/A	AP 0797	Replaced snubbers for support MD-1285-14A and MD-1287-11	Supports	RF93A Summary Report

Note 1 NIS-2 form not required. Replacement work for one (1) inch nominal pipe size (NPS) and smaller

PLAN NO 2-0728

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

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

Date: 7/21/93
Sheet: 1 of 1
Unit: WNP-2

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**

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
FPC-P-1A	Worthington	44 000019 (3 LR 9)	23	N/A	1977	Replacement	Yes, Code Class 3

7. **Description of Work:** Replaced mechanical seal (gland plate) for pump FPC-P-1A. The replacement work was performed as follows
   1) Removed existing mechanical seal (gland plate) from the pump
   2) Installed new mechanical seal (gland plate) in the pump
   3) Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during the pressure test

PLAN NO 2-0728

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS (Back)

8 Tests Conducted: Hydrostatic [ ] Pneumatic [ ] Nominal Operating Pressure [X] Other [ ] None

Test Pressure: 85 to 87 Psig
Component Design Pressure: 150 Psig
Test Temperature: 94° F
Temperature: 212° 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 Rudolf Swift Materials And Inspection
Signed by RA Moe Manager, Materials And Inspection
Date 7/22/93
Date 7-27-93

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Washington and employed by Arkwright Mutual Insurance Company (Factory Mutual Engineering Association) of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period 2-19-93 to 7-26-93 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 NBI National Board, State, and Endorsements

Date 7/28/93

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

PLAN NO 2-0737

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

Date: 10/26/92
Sheet: 1 of 1
Unit: WNP-2

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'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	1982	Replacement	Yes, Code Class 1

7. Description of Work: Fabricated and installed modified connection with valves HPCS-V-37 and HPCS-V-38. The fabrication and installation work was performed as follows
   1) Beveled one (1) socket end of the new valve for butt welding
   2) Performed PT examination on the beveled end of the valve. PT examination results acceptable
   3) Cut and removed the existing connection
   4) Beveled the existing sockolet socket end
   5) Performed PT examination on the beveled end of the sockolet. PT examination results acceptable
   6) Installed new pipe 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 weld. RT examination results acceptable

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

PLAN NO 2-0737

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic [ ] Pneumatic [ ] Nominal Operating Pressure [ ] Other [X] 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
HPCS-V-37, Serial No 79970
HPCS-V-38, Serial No 79969

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 Pradip Gupta Signed by [illegible]

Materials And Inspections Plant Technical Manager

Date 10/26/92. Date 10-27-92

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 4-8-92 to 10-30-92 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

Dan Abogast Commissions 9556 W NBI

Inspector's Signature National Board, State, and Endorsements

Date 10-30-92

PLAN No. 2-0737

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)
2. Manufactured for Washington Public Power Supply Systems, Richland, Washington 3000 George Washington Way
(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. Bd. No.	(g) Year Built
(1)	1500#	79951 thru 79970	N/A	76590-2	1	N/A	1983
(2)							
(3)							
(4)							
(5)		HPCS-V-37, S/N 79970					
(6)							
(7)		HPCS-V-38, S/N 79969					
(8)							
(9)						Guidip Singh	
(10)						6/30/92.	

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 (Pressure) psi 100 (Temperature) °F or Valve Pressure Class N/A (1)
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, 1T01, 1W10, 5F32	Stellite #6	Rex Precision	
(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.

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FORM NPV-1 (Back)

Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting N/A			
(d) Other Parts			
Backseat-Code 4J86	SA 564 Ty 630	Jorgensen Steel	
4H70.5E84			

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. I., Edition 1974, Addenda Winter '75 (Date), Code Case No. N/A Date 7/29/83

Signed Nuclear Valve Div.,Borg Warner (N Certificate Holder) by [signature]

Our ASME Certificate of Authorization No. N-1254 to use the N (N) symbol expires 10/27/84 (Date).

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 H. 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 Lumbermen's Mutual Casualty of Long Grove, Illinois have inspected the pump, or valve, described in this Data Report on 7/29 19 83, 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 7/29 19 83

(Inspector)

Commissions 12TS C4-NB 7669 (Nat'l Bd., State, Prov. and No.)

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM

PLAN NO 2-0739

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

Date: 10/26/92
Sheet: 1 of 1
Unit: WNP-2

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 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
LPCS(1)-4	WPPSS	LPCS(1)-4-P2	N/A	N/A	1982	Repair	Yes, Code Class 1

7. Description of Work: Modified connection with valves LPCS-V-37 and LPCS-V-38. The modification work was performed as follows
   1) Cut and removed the existing connection
   2) Beveled one (1) socket end of the existing valve for butt welding
   3) Performed PT examination on the beveled end of the valve. PT examination results acceptable
   4) Beveled the existing sockolet socket end
   5) Performed PT examination on the beveled end of the sockolet. PT examination results acceptable
   6) Reinstalled the connection 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 weld. RT examination results acceptable

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

PLAN NO 2-0739

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic [ ] Pneumatic [ ] Nominal Operating Pressure [ ] Other [X] 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 [signature] Materials And Inspections Signed by [signature] Plant Technical Manager

Date 10/26/92. Date 10-27-92

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 1-28-92 to 10-30-92 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 10-30-92

968-22684 (9/87)

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

PLAN NO 2-0740

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

Date: 10/26/92
Sheet: 1 of 1
Unit: WNP-2

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)-4C	WPPSS	RHR(1)-4C-P1	N/A	N/A	1983	Replacement	Yes, Code Class 1

7. Description of Work: Fabricated and installed modified connection with valves RHR-V-157C and RHR-V-158C. 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 2-0740

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic [ ] Pneumatic [ ] Nominal Operating Pressure [ ] Other [X] 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-157C, Serial No PB 1156
RHR-V-158C, Serial No PB 1157

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 _____ Signed by _____

Materials And Inspections Plant Technical Manager

Date 10/26/92. Date 10-27-92

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 4-22-92 to 10-30-92 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

_____ Commissions 9556W NBI

Inspector's Signature National Board, State, and Endorsements

Date 10-30-92

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. 2-0740

1. Manufactured by Dragon Valves, Inc. 13457 Excelsior Dr., Norwalk, CA 90650
(Name and Address of N Certificate Holder)

2. Manufactured for Wash. Public Pwr. Supply System, P.O. Box 968, Richland, WA 99352
(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., 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
(1)	7N057SWD	PB1154	N/A	16954	1	N/A	1992
(2)		Thru		Rev. N/C			
(3)		PB1159					
(4)							
(5)							
(6)		RHR-V-157C, S/N PB1156					
(7)							
(8)		RHR-V-158C, S/N PB1157.					
(9)							
(10)							

Vulaip Gupta 7/1/92.

5. Globe Valve (6 Pcs.)
(Brief description of service for which equipment was designed)

6. Design Conditions 3600 (Pressure) psi 100 (Temperature) °F or Valve Pressure Class _____ (1)

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. 1G4836	ASME SA182 GR. F316	Ajax Forge Co.	Body
HT. A19167	ASME SA182 GR. F316	Ajax Forge Co.	Bonnet Yoke

SATISFACTORY X UNSATISFACTORY

Vijay K Bell II 5-9-92
RECEIPT INSPECTOR / LEVEL / DATE

(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.

Marked 5/5/10

Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting N/A			
(d) Other Parts			
HT. 853543	ASME SA564 GR. 630	Carpenter Steel	Disc

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. I., Edition 1974, Addenda W'76 (Date), Code Case No. N/A, Date May 7, 1992

Signed DRAGON VALVES, INC. (N Certificate Holder) by [signature]

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 Washington Public Power Supply System (See Line 2)

Stress analysis report (Class 1 only) on file at Washington Public Power Supply System

Design specifications certified by (1) James F. Hagen

PE State WA Reg. No. 13579

Stress analysis certified by (1) Harold M. Braund

PE State CA Reg. No. M 20589

(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 5-8 19 92, 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 5-8 19 92

[signature] (Inspector) Commissions CA 1494 (Nat'l Bd., State, Prov. and No.)

PLAN NO 2-0771

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

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

Date: 7/21/93
Sheet: 1 of 1
Unit: WNP-2

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**

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:** Replaced orifice plate for SW-FE-69A. The replacement work was performed as follows
   1) Fabricated new orifice plate
   2) Removed existing orifice plate from the piping system
   3) Installed new orifice plate in the piping system
   4) Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during the pressure test

PLAN NO 2-0771

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS (Back)

8 Tests Conducted: Hydrostatic [ ] Pneumatic [ ] Nominal Operating Pressure [X] Other [ ] None

Test Pressure: 218 Psig
Component Design Pressure: 309 Psig
Test Temperature: 72° F
Temperature: 150° 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 Swift
Materials And Inspection

Signed by R A Moon
Manager, Materials And Inspection

Date 7/22/93

Date 7-27-93

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Washington and employed by Arkwright Mutual Insurance Company (Factory Mutual Engineering Association) of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period 7-21-93 to 7-26-93 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 NBI
National Board, State, and Endorsements

Date 7/28/93

PLAN NO 2-0772

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

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

Date: 8/2/93
Sheet: 1 of 1
Unit: WNP-2

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**

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:** Replaced orifice plate for pump SW-FE-69B. The replacement work was performed as follows
   1) Fabricated new orifice plate
   2) Removed existing orifice plate from the piping system
   3) Installed new orifice plate in the piping system
   4) Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during the pressure test

PLAN NO 2-0772

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS (Back)

8 Tests Conducted: Hydrostatic [ ] Pneumatic [ ] Nominal Operating Pressure [X] Other [ ] None

Test Pressure: 215 Psig **Test Temperature:** 70° 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 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 [signature] Materials And Inspection — Signed by [signature] Manager, Materials And Inspection

Date 8/2/93 — Date 8-2-93

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Washington *and employed by* Arkwright Mutual Insurance Company (Factory Mutual Engineering Association) of Norwood, Massachusetts *have inspected the components described in this Owner's Report during the period* 7-21-92 *to* 7-27-93 *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 8-2-93

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

PLAN NO 2-0777

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

Date: 11/17/92
Sheet: 1 of 1
Unit: WNP-2

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 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
RHR-V-50B	Velan	414	N/A	N/A	1978	Replacement	Yes, Code Class 1

7. Description of Work: Replaced body to bonnet bolting material for valve RHR-V-50B. The replacement work was performed as follows
   1) Removed existing body to bonnet bolting material
   2) Installed new body to bonnet bolting material
   3) Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during the pressure test

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

PLAN NO 2-0777

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic [ ] Pneumatic [ ] Nominal Operating Pressure [X] Other [ ] None

Test Pressure: 1000 Psig — Test Temperature: 538° F

Component Design Pressure: 1560 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

Date 11/17/92

Signed by [illegible] — Plant Technical Manager

Date 11-18-92

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 3-6-92 to 11-17-92 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

Dan Hagan — Inspector's Signature

Commissions 9556 W NBI — National Board, State, and Endorsements

Date 11-19-92

968-22684 (9/87)

PLAN NO 2-0778

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

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

Date: 7/21/93
Sheet: 1 of 1
Unit: WNP-2

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**

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-39e	JCI	PI(1)-4S-X-39e	N/A	N/A	1983	Repair	Yes, Code Class 1
PI(1)-4S-X-62f	JCI	PI(1)-4S-X-62f	N/A	N/A	1983	Repair	Yes, Code Class 1
PI(1)-4S-X-85d	JCI	PI(1)-4S-X-85d	N/A	N/A	1983	Repair	Yes, Code Class 1
PI(1)-4S-X-85e	JCI	PI(1)-4S-X-85e	N/A	N/A	1983	Repair	Yes, Code Class 1

7. **Description of Work:** Installed unistrut on the existing support steel. The installation work was performed as follows
   1) Installed unistrut members on the existing support steel
   2) Made required welds

* ASME Section III, Code Class NF(1)

PLAN NO 2-0778

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS (Back)

8 Tests Conducted: Hydrostatic [ ] Pneumatic [ ] Nominal Operating Pressure [ ] Other [X] 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 Dwaip Singh — Materials And Inspection

Signed by R A Moe — Manager, Materials And Inspection

Date 7/22/93 — Date 7-27-93

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Washington and employed by Arkwright Mutual Insurance Company (Factory Mutual Engineering Association) of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period 4-6-92 to 8-2-93 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 9556W NBI — National Board, State, and Endorsements

Date 8-2-93

PLAN NO 2-0779

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

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

Date: 7/21/93
Sheet: 1 of 1
Unit: WNP-2

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 Vessel
5. **(a) Applicable Construction Code:** ASME Section III Code Class *, 1971 Edition with Summer 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*
Containment Vessel	PDM	12764	790	N/A	1976	Repair	Yes, Code Class *

7. **Description of Work:** Drilled and tapped holes in the reinforcement beams for installation of electrical raceways

* ASME Section III, Code Class MC

PLAN NO 2-0779

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS (Back)

8 Tests Conducted: Hydrostatic [ ] Pneumatic [ ] Nominal Operating Pressure [ ] Other [X] 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 Smith — Materials And Inspection

Signed by R A Moon — Manager, Materials And Inspection

Date 7/22/93 — Date 7-27-93

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Washington and employed by Arkwright Mutual Insurance Company (Factory Mutual Engineering Association) of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period 4/6/92 to 7/27/93 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 9556W NBI — National Board, State, and Endorsements

Date 7/29/93

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

PLAN NO 2-0780

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: 10/26/92
   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'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)-4B	WPPSS	RHR(1)-4B-P1	N/A	N/A	1983	Replacement	Yes, Code Class 1

7. Description of Work: Fabricated and installed modified connection with valves RHR-V-157B and RHR-V-158B. 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 2-0780

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic [ ] Pneumatic [ ] Nominal Operating Pressure [ ] Other [X] 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-157B, Serial No PB 1158
RHR-V-158B, Serial No PB 1159

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 Phillips Smith — Materials And Inspections

Date 10/26/92.

Signed by [signature] — Plant Technical Manager

Date 10-27-92

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 4-24-92 to 10-30-92 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 10-30-92

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. 2-0780

1. Manufactured by Dragon Valves, Inc. 13457 Excelsior Dr., Norwalk, CA 90650
(Name and Address of N Certificate Holder)

2. Manufactured for Wash. Public Pwr. Supply System, P.O. Box 968, Richland, WA 99352
(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., 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
(1)	7N057SWD	PB1154	N/A	16954	1	N/A	1992
(2)		Thru		Rev. N/C			
(3)		PB1159					
(4)							
(5)							
(6)		RHR-V-157B, S/N PB1158					
(7)							
(8)		RHR-V-158B, S/N PB1159					
(9)							
(10)							

Gulidip Singh 7/1/92.

5. Globe Valve (6 Pcs.)
(Brief description of service for which equipment was designed)

6. Design Conditions 3600 (Pressure) psi 100 (Temperature) °F or Valve Pressure Class _____ (1)

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. 1G4836	ASME SA182 GR. F316	Ajax Forge Co.	Body
HT. A19167	ASME SA182 GR. F316	Ajax Forge Co.	Bonnet Yoke

SATISFACTORY X UNSATISFACTORY

Vijay K. Bell II 5-9-92
RECEIVT INSPECTOR / LEVEL / DATE

(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.

Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting N/A			
(d) Other Parts			
HT. 853543	ASME SA564 GR. 630	Carpenter Steel	Disc

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. I., Edition 1974, Addenda W'76 (Date), Code Case No. N/A, Date May 7, 1992

Signed DRAGON VALVES, INC. (N Certificate Holder) by [signature]

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 Washington Public Power Supply System (See Line 2)

Stress analysis report (Class 1 only) on file at Washington Public Power Supply System

Design specifications certified by (1) James F. Hagen

PE State WA Reg. No. 13579

Stress analysis certified by (1) Harold M. Braund

PE State CA Reg. No. M 20589

(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 5-8 19 92, 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 5-8 19 92

[signature] (Inspector) Commissions CA 1494 (Nat'l Bd., State, Prov. and No.)

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

PLAN NO 2-0782

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

Date: 10/26/92
Sheet: 1 of 1
Unit: WNP-2

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

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-713 and HPCS-V-714. The modification work was performed as follows
   1) Cut and removed the existing connection
   2) Beveled one (1) socket end of the existing valve for butt welding
   3) Performed PT examination on the beveled end of the valve. PT examination results acceptable
   4) Beveled the existing sockolet socket end
   5) Performed PT examination on the beveled end of the sockolet. PT examination results acceptable
   6) Reinstalled the connection and made required welds
   7) Performed PT examination on the final weld. 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 2-0782

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic [ ] Pneumatic [ ] Nominal Operating Pressure [ ] Other [X] 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 [signature] Materials And Inspections — Signed by [signature] Plant Technical Manager

Date 10/26/92. — Date 10-27-92

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 10-30-92 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 10-30-92

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

PLAN NO 2-0806

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

1. Owner: Washington Public Power Supply System (WPPSS) — Date: 11/17/92
   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: 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
MS-V-1	Borg Warner	22296	N/A	N/A	1977	Repair/ Replacement	Yes, Code Class 1

7. Description of Work: Replaced stem/disc assembly and made body to bonnet seal weld for valve MS-V-1. The work was performed as follows
   1) Cut valve body to bonnet seal weld
   2) Removed valve internals for troubleshooting
   3) Installed new stem/disc assembly
   4) Reinstalled the bonnet
   5) Made valve 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 2-0806

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic [ ] Pneumatic [ ] Nominal Operating Pressure [X] 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/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 — Date 11/17/92.

Signed by [signature] — Plant Technical Manager — Date 11-18-92

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 4-17-92 to 11-17-92 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

Dan Hoegarth — Inspector's Signature — Commissions 9556W NBI — National Board, State, and Endorsements

Date 11-19-92

PLAN NO 2-0817

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

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

Date: 7/28/93
Sheet: 1 of 1
Unit: WNP-2

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, 1977 Edition with Summer 1977 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
CCH-RV-2A	Crosby	N63032-00-0046	N/A	N/A	1980	Replacement	Yes, Code Class 3

7. **Description of Work:** Replaced disc for relief valve CCH-RV-2A. The replacement work was performed as follows

   1) Removed existing disc from the relief valve
   2) Installed new disc in the relief valve

PLAN NO 2-0817

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS (Back)

8 Tests Conducted: Hydrostatic [ ] Pneumatic [ ] Nominal Operating Pressure [ ] Other [X] None

Test Pressure: Psig
Component Design Pressure: Psig
Test Temperature: ° F
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 Dulaip Singh
Materials And Inspection

Signed by RAMon
Manager, Materials And Inspection

Date 7/28/93

Date 7-28-93

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Washington and employed by Arkwright Mutual Insurance Company (Factory Mutual Engineering Association) of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period 4-21-92 to 7-30-93 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 9556W NBI
National Board, State, and Endorsements

Date 7-30-93

PLAN NO 2-0819

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

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

Date: 7/29/93
Sheet: 1 of 1
Unit: WNP-2

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, 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
HPCS-RV-35	Lonergan	509258-73-1	N/A	N/A	1978	Replacement	Yes, Code Class 2

7. **Description of Work:** Installed test port for relief valve HPCS-RV-35. The work was performed as follows
   1) Surface finished the raised face on the pipe flange
   2) Machined grooves in the relief valve discharge flange to accommodate the "O" rings
   3) Drilled hole in the relief valve discharge flange outer edge
   4) Installed male connector and made required weld
   5) Performed PT examination on the final weld. PT examination results acceptable
   6) Installed cap on the male connector
   7) Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during the pressure test

PLAN NO 2-081

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS (Back)

8 Tests Conducted: Hydrostatic [ ] Pneumatic [ ] Nominal Operating Pressure [*] Other [*]

Test Pressure:* Psig — Test Temperature:*° F

Component Design Pressure: 1575 Psig — Temperature: 450° F

9. Remarks: * Nominal operating pressure test on the relief valve inlet flanged joint, test pressure of 15.4 Psig at 78° F. Appendix J (LLRT) test on the relief valve discharge flanged joint, test pressure of 35.2 Psig at 75.4° F

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 [signature] Materials And Inspection — Signed by [signature] Manager, Materials And Inspection

Date 7/29/93 — Date 7-29-93

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Washington and employed by Arkwright Mutual Insurance Company (Factory Mutual Engineering Association) of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period 5-17-92 to 7-30-93 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 7-30-93

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

PLAN NO 2-0820

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

1. Owner: Washington Public Power Supply System (WPPSS) — Date: 11/5/92
   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, 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
MS-V-41	Borg Warner	28722	N/A	N/A	1978	Repair	Yes, Code Class 1

7. Description of Work: Removed scratches on the disc seating surface for valve MS-V-41. The repair work was performed as follows
   1) Removed scratches on the disc seating surface by machining
   2) Performed PT examination on the final machined seating surface. PT examination results acceptable

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

PLAN NO 2-0820

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic [ ] Pneumatic [ ] Nominal Operating Pressure [ ] Other [X] 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 _____ Signed by _____

Materials And Inspections — Plant Technical Manager

Date 11/5/92 — Date 11-6-92

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 4/28/92 to 11/10/92 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

_____ Commissions 9556 W NBI

Inspector's Signature — National Board, State, and Endorsements

Date 11/10/92

968-22684 (9/87)

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

PLAN NO 2-0826

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

Date: 11/24/92
Sheet: 1 of 1
Unit: WNP-2

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: Off Gas (OG) System
5. (a) Applicable Construction Code: ASME Section III Code Class 3, 1971 Edition with no Addenda, Code Case: None
   (b) Applicable Edition of ASME Section XI Utilized for Repairs or Replacements: 1980 Edition with Winter 1980 Addenda, Code Case: N-308
6. Identification of Components Repaired or Replaced and Replacement Components

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
OG-HX-1B	GE	223717	57776	N/A	1974	Repair	Yes, Code Class 3

7. Description of Work: Plugged tube in OD-HX-1B heat exchanger. The repair work was performed as follows
   1) Machined tube plugs to the required dimensions
   2) Installed tube plugs and made required seal weld
   3) Performed PT examination on the final seal welds. PT examination results acceptable

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

PLAN NO 2-0826

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic [ ] Pneumatic [ ] Nominal Operating Pressure [ ] Other [X] 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 Rudolf Simpb — Materials And Inspection

Date 11/24/92.

Signed by [signature] — Manager, Plant Technical

Date 11-24-92

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 11-30-92 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

Dan Hoggarth — Inspector's Signature

Commissions 9556 NBI — National Board, State, and Endorsements

Date 11-30-92

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

PLAN NO 2-0851

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

Date: 9/28/92
Sheet: 1 of 1
Unit: WNP-2

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

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-FCV-64B	Fisher	6069710	2863	N/A	1977	Repair	Yes, Code Class 2

7. Description of Work: Removed surface defects on the valve plug seating surface for valve RHR-FCV-64B. The repair work was performed as follows
   1) Removed surface defects on the valve plug seating surface by machining
   2) Performed PT examination on the final machined surface on the valve plug seating surface. PT 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 2-0851

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic [ ] Pneumatic [ ] Nominal Operating Pressure [X] Other [ ] None

Test Pressure: 198 Psig
Component Design Pressure: 500 Psig

Test Temperature: 72.3° F
Temperature: 358° 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 Quaip Sujs
Materials And Inspections
Date 9/29/92.

Signed by
Plant Technical Manager
Date 9-29-92

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 9-30-92 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

Dan Hogarth
Inspector's Signature

Commissions 9556 W NBI
National Board, State, and Endorsements

Date 9/30/92

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

PLAN NO 2-0852

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

Date: 11/2/92
Sheet: 1 of 1
Unit: WNP-2

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

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-27B	Velan	355	N/A	N/A	1976	Replacement	Yes, Code Class 2

7. Description of Work: Replaced wedge for valve RHR-V-27B. The replacement work was performed as follows
   1) Removed existing wedge from the valve
   2) Installed new wedge 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 2-0852

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic [ ] Pneumatic [ ] Nominal Operating Pressure [X] Other [ ] None

Test Pressure: 198 Psig — Test Temperature: 72.3° F

Component Design Pressure: 500 Psig — Temperature: 358° F

9. Remarks: See attached N-2 Code Data Report for new wedge, Serial No 3675

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 Lumb — Materials And Inspections

Date 11/2/92.

Signed by [signature] — Plant Technical Manager

Date 11-2-92

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 6-14-92 to 11-3-92 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 11-3-92

968-22684 (9/87)

Rulalip Supply

S 92242

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

1. Manufactured and certified by VELAN INC. 550 McArthur Street, Montreal, PQ H4T 1X3 CANADA (name and address of NPT Certificate Holder)
P2-77281-NSP ITEM-01

2. Manufactured for WASHINGTON PUBLIC POWER SUPPLY SYSTEM P.O.BOX 968 RICHLAND, WASH. 99352 (name and address of Purchaser)
#217745

3. Location of installation WPPSS: WNP-2 OPS NORTH POWER PLANT LOOP RICHLAND, WASH. 99352 USA (name and address)
IT.20&28

4. Type: P2-3311-N8/C (drawing no.) SA-105 (mat'l. spec. no.) 70,000 (MIN.) (tensile strength) N/A (CPN) 1992 (year built)

5. ASME Code, Section III, Division 1: 1971 (edition) SUMMER'73 (addenda date) N-CLASS: 2 (class) N/A (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A (no.) Revision N/A Date N/A

7. Remarks: 6"-300# BB GATE VALVE WEDGE MAT'L HEAT No. J3232/T17910
NOTE: MATERIAL SPEC. SUPPLIED IS TO ASME SEC.II PART-A CODE EDITION 1986 ADDENDA: NONE

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) WEDGE SN: #3675.	N/A
(2)	
(3)	
(4)	
(5)	
(6) PLAN NO: 2-0852	
(7)	
(8)	
(9) Rulalip Supply	
(10)	11/2/92.
(11)	
(12)	
(13)	
(14)	
(15)	
(16)	
(17)	
(18)	
(19)	
(20)	
(21)	
(22)	
(23)	
(24)	
(25)	

Part or Appurtenance Serial Number	National Board No. 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 (It. 20) 600 psi. Temp. 212 °F. Hydro. test pressure N/A (when applicable) at temp. °F
(It.28) 500 " " 358

* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8½ × 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.

S 922428

FORM N-2 (Back — Pg. 2 of ____)

Certificate Holder's Serial Nos. _____ through _____

CERTIFICATION OF DESIGN

Design specifications certified by N/A (when applicable) P.E. State _____ Reg. no. _____

Design report* certified by N/A (when applicable) P.E. State _____ Reg. no. _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) _____ conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2798-2 (NPT) Expires 2 MAY 1992

Date 28 JAN/92 Name VELAN INC. (NPT Certificate Holder) Signed E.C.BUGUIS QC DOC.ADM. (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 Quebec and employed by Travenol of Quebec have inspected these items described in this Data Report on January 30/92, 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, Division 1. 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 92-01-30 Signed _____ (Authorized Inspector) Commissions MARCHAND JACQUES INSPECTEUR (Gov. in Council) K1 (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

SATISFACTORY ✓ UNSATISFACTORY ____

H.Blanchard II 4.29.92

RECEIPT INSPECTOR / LEVEL / DATE

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

PLAN NO 2-0853

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

1. Owner: Washington Public Power Supply System (WPPSS) — Date: 11/24/92
   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: Replaced pipe piece for relief valve HPCS-RV-35 inlet piping. The replacement work was performed as follows
   1) Cut and removed the existing pipe piece
   2) Installed new pipe piece
   3) Made required socket welds
   4) Performed PT examination on the final socket welds. PT examination results acceptable
   5) Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during the pressure test

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

PLAN NO 2-0853

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic [X] Pneumatic [ ] Nominal Operating Pressure [ ] Other [ ] None

Test Pressure: 2000 Psig — Test Temperature: 81.6° 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 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 Zupb — Materials And Inspection

Date 11/24/92

Signed by [signature] — Manager, Plant Technical

Date 11-24-92

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 6-18-92 to 11-30-92 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

Dan Hoggatt — Inspector's Signature

Commissions 9556 NBI — National Board, State, and Endorsements

Date 11-30-92

PLAN NO 2-0855

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

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

Date: 7/29/93
Sheet: 1 of 1
Unit: WNP-2

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 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
RHR-RV-25A	Lonergan	509258-74-1	N/A	N/A	1978	Replacement	Yes, Code Class 2

7. **Description of Work:** Replaced disc for relief valve RHR-RV-25A. The replacement work was performed as follows
   1) Removed existing disc from the relief valve
   2) Installed new disc in the relief valve
   3) Reinstalled the relief valve
   4) Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during the pressure test

PLAN NO 2-0855

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS (Back)

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

Test Pressure: 35.2 Psig
Component Design Pressure: 500 Psig
Test Temperature: 80.8° F
Temperature: 450° F

9. Remarks: * Appendix J (LLRT) test on the relief valve discharge flanged joint

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 Inspection

Signed by R A Moon
Manager, Materials And Inspection

Date 7/29/93

Date 7-29-93

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Washington and employed by Arkwright Mutual Insurance Company (Factory Mutual Engineering Association) of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period 6-24-92 to 7-30-93 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 9556W NBI
National Board, State, and Endorsements

Date 7-30-93

PLAN NO 2-0859

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

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:** 7/21/93
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: 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

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)-2-1	BF Shaw	SW(35)-2-1	N/A	N/A	1978	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

PLAN NO 2-0859

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS (Back)

8 Tests Conducted: Hydrostatic [ ] Pneumatic [ ] Nominal Operating Pressure [ ] Other [X] 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 Ralph Simpson Materials And Inspection Signed by R A Moen Manager, Materials And Inspection

Date 7/22/93 Date 7-27-93

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Washington and employed by Arkwright Mutual Insurance Company (Factory Mutual Engineering Association) of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period 8/20/92 to 7/27/93 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 9556W NBI National Board, State, and Endorsements

Date 7/29/93

PLAN NO 2-0860

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

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:** 7/21/93
   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:** 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**

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)-2-1	BF Shaw	SW(35)-2-1	N/A	N/A	1978	Replacement	Yes, Code Class 3

7. **Description of Work:** Removed valves SW-V-168B and SW-V-169B. The work was performed as follows
   1) Cut existing pipe and removed both the vent valves
   2) Installed new pipe cap

PLAN NO 2-0860

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS (Back)

8 Tests Conducted: Hydrostatic [ ] Pneumatic [ ] Nominal Operating Pressure [ ] Other [X] 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 Rudolf Bujes Materials And Inspection Signed by R A Moe Manager, Materials And Inspection

Date 7/22/93 Date 7-27-93

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Washington and employed by Arkwright Mutual Insurance Company (Factory Mutual Engineering Association) of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period 8-20-92 to 7/27/93 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 9556W NBI National Board, State, and Endorsements

Date 7/29/93

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

PLAN NO 2-0869

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

1. Owner: Washington Public Power Supply System (WPPSS) — Date: 11/2/92
   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: 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

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
FPC(1)-1	WPPSS	FPC(1)-1-P1	N/A	N/A	1983	Repair	Yes, Code Class 3

7. Description of Work: Modified connection with valve FPC-V-730. The work was performed as follows
   1) Removed existing connection
   2) Cut hole in the existing pipe for installation of a weldolet
   3) Performed PT examination on the pipe around the cut hole. PT examination results acceptable
   4) Installed new fitting materials
   5) Reinstalled valve FPC-V-730
   6) Made required welds
   7) Performed open flow test. The test was satisfactory

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

PLAN NO 2-0869

FORM NIS-2 (Back)

8 Tests Conducted: Hydrostatic [ ] Pneumatic [ ] Nominal Operating Pressure [ ] Other [*]

Test Pressure: * Psig — Test Temperature: *° F

Component Design Pressure: 150 Psig — Temperature: 175° F

9. Remarks: * Performed open flow test

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 _____ Materials And Inspections — Signed by _____ Plant Technical Manager

Date 11/2/92. — Date 11-2-92

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 8-28-92 to 11-3-92 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

_____ Inspector's Signature — Commissions 9556W NBI National Board, State, and Endorsements

Date 11-3-92

PLAN NO 2-0871

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

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:** 7/29/93
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: 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

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	Replacement	Yes, Code Class 3

7. Description of Work: Installed restricting orifice plate for SW-RO-12A. The replacement work was performed as follows
1) Fabricated new restricting orifice plate
2) Removed existing spacer ring from the piping system
3) Installed new restricting orifice plate in the piping system
4) Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during the pressure test

PLAN NO 2-087

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS (Back)

8 Tests Conducted: Hydrostatic [ ] Pneumatic [ ] Nominal Operating Pressure [X] Other [ ] None

Test Pressure: 215 Psig
Test Temperature: 68° 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 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 Inspection

Signed by R A Moen
Manager, Materials And Inspection

Date 7/29/93

Date 7-30-93

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Washington and employed by Arkwright Mutual Insurance Company (Factory Mutual Engineering Association) of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period 1-14-93 to 7-30-93 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 9536W NBI
National Board, State, and Endorsements

Date 8-2-93

PLAN NO 2-0873

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

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:** 7/21/93
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: 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

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	Replacement	Yes, Code Class 3
SW(21)-2	WPPSS	SW(21)-2-P1	N/A	N/A	1983	Replacement	Yes, Code Class 3

7. Description of Work: Installed SW-TE-3A, SW-TE-3B, SW-TE-3C, SW-TE-3D, SW-FE-3B and SW-FE-3D. The installation work was performed as follows

1) Installed thermowells for SW-TE-3A, SW-TE-3B, SW-TE-3C and SW-TE-3D
2) Made required welds
3) Installed annubars, piping and valves for SW-FE-3B and SW-FE-3D
4) Made required welds
5) Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during the pressure test

PLAN NO 2-0873

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS (Back)

8 Tests Conducted: Hydrostatic [X] **Pneumatic** [ ] **Nominal Operating Pressure** [ ] **Other** [ ] None

Test Pressure: 335 Psig **Test Temperature:** 71° F

Component Design Pressure: 309 Psig **Temperature:** 150° F

9. Remarks: See attached NPV-1 Code Data Report for the following new valves
SW-V-934, Serial No GT 1285
SW-V-935, Serial No GT 1284
SW-V-936, Serial No GT 1281
SW-V-937, Serial No GT 1276
See attached NPP-1 Code Data Report for the following new annubars
SW-FE-3B, Serial No 13640.01.1
SW-FE-3D, Serial No 13640.01.3

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 Inspection *Signed by* RAMoen Manager, Materials And Inspection

Date 7/22/93 *Date* 7-27-93

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Washington *and employed by* Arkwright Mutual Insurance Company (Factory Mutual Engineering Association) of Norwood, Massachusetts *have inspected the components described in this Owner's Report during the period* 4-8-93 *to* 7-26-93 *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 NB I National Board, State, and Endorsements

Date 7/29/93

 WBG QR 215-14029

FORM NPV-1 MANUFACTURERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES*

As Required by the Provisions of the ASME Code Rules PLAN NO. 2-0873

1. Manufactured by DRAGON VALVES, INC. • 13457 Excelsior Drive • Norwalk, CA. 90650 Order No. N17709R SUPPL. #5
(Name & Address of Manufacturer)

2. Manufactured for WSH/BOECON/GERI, Richland, Washington 99352 Order No. 215-15410
(Name and Address)

3. Owner Washington Public Power Supply System, Hanford Jobsite No. 2

4. Location of Plant Richland, Washington

5. Pump or Valve Identification Serial Numbers GT1266 thru GT1290 (25 Pcs.) ✓

1/2 Inch FNPT Instrument Globe Valves. Part Number 500FN057D1. ✓
(Brief description of service for which equipment was designed)

(a) Drawing No. 12997 Prepared by Dragon Valves, Inc.

(b) National Board No. ----

6. Design Conditions 3600 (Pressure) psi 100 (Temperature) °F or Pressure Class _____ (1)

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

Edition 1974, Addenda Date 6-30-76, Case No. _____

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings None.			
VALVE EPN NO.	SERIAL NO.		
SW-V-934	GT1285		
SW-V-935	GT1284		
SW-V-936	GT1281		
SW-V-937	GT1276		
		Philip Smith	
(b) Forgings			7/20/83.
Body HT 76285	SA182 Gr. F316	Ajax Forge Co.	

(1) For manually operated valves only

*Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8½" x 11", (2) information in Items 1, 2, 3, 7a and 7b 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.

INFORMATION ONLY

FORM NPV-1 (back)

WBG BR 215-14029

	Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting	None			
(d) Other Parts -				
Bonnet	HT 8643313	SA479 TY 316	Republic Steel Corp.	
Disc	HT 1810-3-1062	Stellite No. 6	Cabot Corp. Stellite Div.	
Union Nut	HT 11684	SA479 TY 316	Carpenter Technology Corp.	

8. Hydrostatic test 5400 psi.

CERTIFICATION OF DESIGN

Design information on file at WSH/BOECON/GERI

Stress analysis report on file at not applicable

Design specifications certified by David J. Murphy (1) Prof. Eng. State WA Reg. No. 12542

Stress analysis report certified by not required (1) Prof. Eng. State _____ Reg. No. _____

(1) Signature not required. List name only.

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

Date December 11, 19 78 Signed DRAGON VALVES, INC. (Manufacturer) By [signature]

Certificate of Authorization No. N-1033 expires May 6, 1981

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 Division of Industrial Safety of CALIFORNIA have inspected the equipment described in this Data Report on 12-11- 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 12-11- 19 78

[signature] (Inspector) Commissions Cal. 857 (National Board, State, Province and No.)

Printed in U.S.A.

INFORMA-3-

PLAN NO. 2-0873
Rudolf Bugl
7/20/93

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

As Required by the Provisions of the ASME Code, Section III, Division 1 Pg. 1 of 2

1. Fabricated and certified by Dieterich Standard, 5601 N. 71st Street, Boulder, CO 80301 (Name and address of NPT Certificate Holder)
2. Fabricated for Washington Public Power Supply System, Box 968, Richland, WA 99352-0968 (Name and address)
3. Location of installation WNP-2 3000 George Washington Way, Richland, WA 99352 (Name and address)
4. Identification 13640.01.1-4 (Cert. Holders serial no.) NA (CRN) SU-5271 (Drawing no.) NA (Nat'l. Bd. no.) 1993 (Year built)
5. ASME Code, Section III 1989 (Edition) 1989 (Addenda date) 3 (Class) NR (Code Case)
6. Shop hydrostatic test 470 psi at ambient room temp. °F (if performed)
7. Description of piping Annubar flow sensors 316SS with C/S mounting hardware (piping subassemblies)
8. Certificate Holders Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of this Report: NA
9. Remarks NA

EPN NO.	SERIAL NO.
SW-FE-3B	13640.01.1
SW-FE-3D	13640.01.3

CERTIFICATE OF SHOP COMPLIANCE

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

NPT Certificate of Authorization No. N-1728 Expires April 29, 1995

Date 4/21/93 Name Dieterich Standard (NPT Certificate Holder) Signed [signature] (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 Colorado and employed by Commercial Union Insurance Co. of Boston have inspected the component described in this Data Report on 4/21/93, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this component 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 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 4/21/93 Signed [signature] (Authorized Inspector) Commissions NB 9625 AN COLO 406 (Nat'l. Bd., and, endorsements, State or Prov. and No.)

*Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8½ 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.

FORM NPP-1 (back)

Mfr. Serial No. _____

10. Description of field fabrication _____

11. Pneu., hydro., or comb. test pressure _____ psi at temp. _____ °F (if performed)

CERTIFICATE OF FIELD FABRICATION COMPLIANCE

We certify that the statements on this Report are correct and that the field fabrication of the described piping conforms with the rules for construction of the ASME CODE, Section III.

NPT Certificate of Authorization No. _____ Expires _____

Date _____ Name _____ (Certificate Holder) Signed _____ (Representative)

CERTIFICATE OF FIELD FABRICATION 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 _____ and employed by _____ of _____ have compared the statements in this Data Report with the described piping and state that parts referred to as data items _____, not included in the Certificate of Shop Inspection have been inspected by me on _____ and that to the best of my knowledge and belief the NPT Certificate Holder has fabricated this piping in accordance with the ASME Code, Section III.

By signing this cerificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the piping 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 _____ Signed _____ (Authorized Inspector) Commissions _____ (Nat'l. Bd., incl. endorsements, State or Prov., and No.)

PLAN NO. 2-0873

Randy Swift
7/20/93.

1. Dieterich Standard, 5601 N. 71st Street, Boulder, CO 80301

2. Washington Public Power System, Box 968, Richland, WA 99352-0968

3. WNP-2 3000 George Washington Way, Richland, WA 99352

4. 13640.01.1-.4 N/A SU-5271 N/A 1993

7. Annubar Flow Sensors, 316SS with C/S mounting hardware (piping subassemblies)

Flange, support disc	SA-182
Velocity probe, sensor tubes, tag ring	SA-213
Transition	SA-312
Head, tips	SA-479
Weld filler	SFA-5.9
Threaded rods	SA-193
Hex nuts	SA-194
Flanged pipe, weld couplet, support plug	SA-105

Certificate Holder _____ Date 4/21/93

Authorized Inspector _____ Date 4/21/93

SATISFACTORY ✓ UNSATISFACTORY ____

_____ II 4/28/93

REGIONAL INSPECTOR / LEVEL / DATE

PLAN NO 2-0874

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

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

Date: 7/21/93
Sheet: 1 of 1
Unit: WNP-2

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**

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(2)-2	WPPSS	SW(2)-2-P1	N/A	N/A	1983	Replacement	Yes, Code Class 3
SW(22)-2	WPPSS	SW(22)-2-P1	N/A	N/A	1983	Replacement	Yes, Code Class 3

7. **Description of Work:** Installed SW-TE-3E, SW-TE-3F, SW-TE-3G, SW-TE-3H, SW-FE-3F and SW-FE-3H. The installation work was performed as follows
   1) Installed thermowells for SW-TE-3E, SW-TE-3F, SW-TE-3G and SW-TE-3H
   2) Made required welds
   3) Installed annubars, piping and valves for SW-FE-3F and SW-FE-3H
   4) Made required welds
   5) Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during the pressure test

PLAN NO 2-0874

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS (Back)

8 Tests Conducted: Hydrostatic [X] Pneumatic [ ] Nominal Operating Pressure [ ] Other [ ] None

Test Pressure: 335 Psig — Test Temperature: 74.5° F

Component Design Pressure: 309 Psig — Temperature: 150° F

9. Remarks: See attached NPV-1 Code Data Reports for the following new valves
SW-V-938, Serial No GT 1286
SW-V-939, Serial No GT 1289
SW-V-940, Serial No GT 1356
SW-V-941, Serial No GT 1348
See attached NPP-1 Code Data Report for the following new annubars
SW-FE-3F, Serial No 13640.01.2
SW-FE-3H, Serial No 13640.01.4

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 Inspection

Signed by R A Moe — Manager, Materials And Inspection

Date 7/22/93 — Date 7-27-93

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Washington and employed by Arkwright Mutual Insurance Company (Factory Mutual Engineering Association) of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period 4-8-93 to 7-26-93 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 9556W NBI — National Board, State, and Endorsements

Date 7-29-93

 WBG RR 215-14029

FORM NPV-1 MANUFACTURERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES*

As Required by the Provisions of the ASME Code Rules

1. Manufactured by DRAGON VALVES, INC. • 13457 Excelsior Drive • Norwalk, CA. 90650 Order No. N17709R SUPPL. #5
(Name & Address of Manufacturer)

2. Manufactured for WSH/BOECON/CERI, Richland, Washington 99352 Order No. 215-15410
(Name and Address)

3. Owner Washington Public Power Supply System, Hanford Jobsite No. 2

4. Location of Plant Richland, Washington

5. Pump or Valve Identification Serial Numbers GT1266 thru GT1290 (25 Pcs.)

1/2 Inch FNPT Instrument Globe Valves. Part Number 500FN057D1.
(Brief description of service for which equipment was designed)

(a) Drawing No. 12997 Prepared by Dragon Valves, Inc.

(b) National Board No. ——

6. Design Conditions 3600 (Pressure) psi 100 (Temperature) °F or Pressure Class _____ (1)

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

Edition 1974, Addenda Date 6-30-76, Case No. _____

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings None.			
VALVE EPN NO.	SERIAL NO		
SW-V-938	GT1286		
SW-V-939	GT1289.		
(b) Forgings			
Body HT 76285	SA182 Gr. F316	Ajax Forge Co.	

(1) For manually operated valves only

*Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8½" x 11", (2) information in items 1 through 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.

INFORMATION ONLY

FORM NPV-1 (back) WBG BR 215-14029

	Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting	None			
(d) Other Parts				
Bonnet	HT 8643313	SA479 TY 316	Republic Steel Corp.	
Disc	HT 1810-3-1062	Stellite No. 6	Cabot Corp. Stellite Div.	
Union Nut	HT 11684	SA479 TY 316	Carpenter Technology Corp.	

8. Hydrostatic test 5400 psi.

CERTIFICATION OF DESIGN

Design information on file at WSH/BOECON/GERI

Stress analysis report on file at not applicable

Design specifications certified by David J. Murphy (1) Prof. Eng. State WA Reg. No. 12542

Stress analysis report certified by not required (1) Prof. Eng. State _____ Reg. No. _____

(1) Signature not required. List name only.

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

Date December 11, 19 78 Signed DRAGON VALVES, INC. (Manufacturer) By [signature]

Certificate of Authorization No. N-1033 expires May 6, 1981

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 Division of Industrial Safety of CALIFORNIA have inspected the equipment described in this Data Report on 12-11 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 12-11 19 78

J Warren (Inspector) Commissions Cal. 857 (National Board, State, Province and No.)

Printed in U.S.A.

INFORMATION

WBG BR 215-14029

FORM NPV-1 MANUFACTURERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES*

PLANT NO 2-0874

As Required by the Provisions of the ASME Code Rules

Group Supl

3/20/83

1. Manufactured by DRAGON VALVES, INC. • 13457 Excelsior Drive • Norwalk, CA. 90650 Order No. N17709R SUPPL. 0.
(Name & Address of Manufacturer)

2. Manufactured for WSH/BOECON/GERI, Richland, Washington 99352 Order No. 215-15410
(Name and Address)

3. Owner Washington Public Power Supply System, Hanford Jobsite No. 2

4. Location of Plant Richland, Washington

5. Pump or Valve Identification Serial Numbers GT1341 thru GT1365 (25 Pcs.)

1/2 Inch FNPT Instrument Globe Valves. Part Number 500FN057D1.
(Brief description of service for which equipment was designed)

(a) Drawing No. 12997 Prepared by Dragon Valves, Inc.

(b) National Board No. ____

6. Design Conditions 3600 (Pressure) psi 100 (Temperature) °F or Pressure Class ____ (1)

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

Edition 1974, Addenda Date 6-30-76, Case No. ____

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings None			
VALVE EPN NO	SERIAL NO		
SW-V-940	GT 1356		
SW-V-941	GT 1348.		
(b) Forgings			
Body HT 76285	SA182 Gr. F316	Ajax Forge Co.	

(1) For manually operated valves only

*Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8½" x 11", (2) information in Items 1, 2, 3, 4 and 5a on this data report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded.

INFORMATION

FORM NPV-1 (back)

WBG BR 215-14029

	Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting	None			
(d) Other Parts				
Bonnet	HT 8643313	SA479 TY 316	Republic Steel Corp.	
Disc	HT 1810-3-1062	Stellite No. 6	Cabot Corp. Stellite Div.	
Union Nut	HT 11684	SA479 TY 316	Carpenter Technology Corp.	

8. Hydrostatic test 5400 psi.

CERTIFICATION OF DESIGN

Design information on file at WSH/BOECON/GERI

Stress analysis report on file at not applicable

Design specifications certified by David J. Murphy (1) Prof. Eng. State WA Reg. No. 12542

Stress analysis report certified by not required (1) Prof. Eng. State _____ Reg. No. _____

(1) Signature not required. List name only.

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

Date December 11, 1978 Signed DRAGON VALVES, INC. (Manufacturer) By [signature]

Certificate of Authorization No. N-1033 expires May 6, 1981

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 Division of Industrial Safety of CALIFORNIA have inspected the equipment described in this Data Report on 12-11-1978, 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 12-11-1978

[signature] (Inspector) Commissions Cal. 857 (National Board, State, Province and No.)

Printed in U.S.A.

PLAN NO. 2-0874

Rudolf Guy 7/20/93

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

As Required by the Provisions of the ASME Code, Section III, Division 1 Pg. 1 of 2

1. Fabricated and certified by Dieterich Standard, 5601 N. 71st Street, Boulder, CO 80301 (Name and address of NPT Certificate Holder)
2. Fabricated for Washington Public Power Supply System, Box 968, Richland, WA 99352-0968 (Name and address)
3. Location of installation WNP-2 3000 George Washington Way, Richland, WA 99352 (Name and address)
4. Identification 13640.01.1-4 (Cert. Holders serial no.) NA (CRN) SU-5271 (Drawing no.) NA (Nat'l. Bd. no.) 1993 (Year built)
5. ASME Code, Section III 1989 (Edition) 1989 (Addenda date) 3 (Class) NR (Code Case)
6. Shop hydrostatic test 470 psi at ambient room temp. °F (if performed)
7. Description of piping Annubar flow sensors 316SS with C/S mounting hardware (piping subassemblies)
8. Certificate Holders Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of this Report: NA
9. Remarks NA

EPN No.	SERIAL No.
SW-FE-3F	13640.01.2
SW-FE-3H	13640.01.4

CERTIFICATE OF SHOP COMPLIANCE

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

NPT Certificate of Authorization No. N-1728 Expires April 29, 1995

Date 4/21/93 Name Dieterich Standard (NPT Certificate Holder) Signed [signature] (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 Colorado and employed by Commercial Union Insurance Co. of Boston have inspected the component described in this Data Report on 4/21/93, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this component 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 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 4/21/93 Signed [signature] (Authorized Inspector) Commissions NB 9625 AN COLO 406 (Nat'l. Bd., and, endorsements, State or Prov. and No.)

*Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8½ 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.

FORM NPP-1 (back)

Mfr. Serial No. _____

10. Description of field fabrication _____

11. Pneu., hydro., or comb. test pressure _____ psi at temp. _____ °F (if performed)

CERTIFICATE OF FIELD FABRICATION COMPLIANCE

We certify that the statements on this Report are correct and that the field fabrication of the described piping conforms with the rules for construction of the ASME CODE, Section III.

NPT Certificate of Authorization No. _____ Expires _____

Date _____ Name _____ (Certificate Holder) Signed _____ (Representative)

CERTIFICATE OF FIELD FABRICATION 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 _____ and employed by _____ of _____ have compared the statements in this Data Report with the described piping and state that parts referred to as data items _____, not included in the Certificate of Shop Inspection have been inspected by me on _____ and that to the best of my knowledge and belief the NPT Certificate Holder has fabricated this piping in accordance with the ASME Code, Section III.

By signing this cerificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the piping 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 _____ Signed _____ (Authorized Inspector) Commissions _____ (Nat'l. Bd., incl. endorsements, State or Prov. and No.)

PLAN NO. 2-0874

Rudolf Bugs
7/20/93.

1. Dieterich Standard, 5601 N. 71st Street, Boulder, CO 80301

2. Washington Public Power System, Box 968, Richland, WA 99352-0968

3. WNP-2 3000 George Washington Way, Richland, WA 99352

4. 13640.01.1-.4 N/A SU-5271 N/A 1993

7. Annubar Flow Sensors, 316SS with C/S mounting hardware (piping subassemblies)

Flange, support disc	SA-182
Velocity probe, sensor tubes, tag ring	SA-213
Transition	SA-312
Head, tips	SA-479
Weld filler	SFA-5.9
Threaded rods	SA-193
Hex nuts	SA-194
Flanged pipe, weld couplet, support plug	SA-105

Certificate Holder _____ Date 4/21/93

Authorized Inspector _____ Date 4/21/93

SATISFACTORY ✓ UNSATISFACTORY ____

_____ II 4/28/93

RESIDENT INSPECTOR / LEVEL / DATE

PLAN NO 2-0875

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

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:** 7/21/93
   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:** 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**

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(70)-1-HPCS	WPPSS	SW(70)-1-HPCS-P1	N/A	N/A	1983	Replacement	Yes, Code Class 3
SW(71)-1-HPCS	WPPSS	SW(71)-1-HPCS-P1	N/A	N/A	1983	Replacement	Yes, Code Class 3

7. **Description of Work:** Installed SW-TE-3J and SW-TE-3K. The installation work was performed as follows
   1) Installed thermowells for SW-TE-3J and SW-TE-3K
   2) Made required welds
   3) Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during the pressure test

PLAN NO 2-0875

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS (Back)

8 Tests Conducted: Hydrostatic [X] Pneumatic [ ] Nominal Operating Pressure [ ] Other [ ] None

Test Pressure: 158 Psig
Component Design Pressure: 150 Psig
Test Temperature: 71° F
Temperature: 150° 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 Dulaip Singh
Materials And Inspection

Signed by R A Moen
Manager, Materials And Inspection

Date 7/22/93

Date 7-27-93

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Washington and employed by Arkwright Mutual Insurance Company (Factory Mutual Engineering Association) of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period 4-13-93 to 7-26-93 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 9556W NBI
National Board, State, and Endorsements

Date 7/29/93

PLAN NO 2-0877

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

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:** 7/30/93
   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:** 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-306
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
SW-V-931B	Borg Warner	17616	N/A	N/A	1976	Repair	Yes, Code Class 2

7. **Description of Work:** Made body to bonnet seal weld for valve SW-V-931B. The work was performed as follows
   1) Cut valve body to bonnet seal weld
   2) Removed valve internals for troubleshooting
   3) Prepped cut/ground areas on the valve body and the bonnet
   4) Performed MT examination on the valve body and bonnet prepped areas. MT examination results acceptable
   5) Reinstalled valve internals and the bonnet
   6) Made valve body to bonnet seal weld
   7) Performed MT examination on the final seal weld. MT examination results acceptable

PLAN NO 2-0877

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS (Back)

8 Tests Conducted: Hydrostatic [ ] Pneumatic [ ] Nominal Operating Pressure [ ] Other [X] 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 Rudolf Sauer — Materials And Inspection

Signed by R A Moen — Manager, Materials And Inspection

Date 7/30/93 — Date 7-30-93

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Washington and employed by Arkwright Mutual Insurance Company (Factory Mutual Engineering Association) of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period 9-28-92 to 7-27-93 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 9556W NBI — National Board, State, and Endorsements

Date 8-2-93

PLAN NO 2-0878

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

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

Date: 8/2393
Sheet: 1 of 1
Unit: WNP-2

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:** Control Rod Drive (CRD) 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
CRD-Scram/Inst.	GE, I&CE	CRD-Scram/Inst.	N/A	N/A	1982	Replacement	Yes, Code Class 2

7. **Description of Work:** Installed flush connections for Scram Discharge Volume (SDV). The installation work was performed as follows
   1) Installed new flanged pipets on the existing piping
   2) Made required welds
   3) Performed MT or PT examination on the final welds. MT or PT examination results acceptable
   4) Installed new blind flange and the bolting material
   5) Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during the pressure test

PLAN NO 2-0878

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS (Back)

8 Tests Conducted: Hydrostatic [X] **Pneumatic** [ ] **Nominal Operating Pressure** [ ] **Other** [ ] None

Test Pressure: 1585 to 1600 Psig **Test Temperature:** 81 to 86.5° F

Component Design Pressure: 1250 Psig **Temperature:** 280° 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 Philip Lamb — Materials And Inspection **Signed by** RAMan — Manager, Materials And Inspection

Date 8/2/93 **Date** 8-2-93

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Washington *and employed by* Arkwright Mutual Insurance Company (Factory Mutual Engineering Association) of Norwood, Massachusetts *have inspected the components described in this Owner's Report during the period* 5-3-93 *to* 8-3-93 *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 Hoggatt — Inspector's Signature **Commissions** 9556W NBI — National Board, State, and Endorsements

Date 8-3-93

PLAN NO 2-0886

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

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

Date: 7/22/93
Sheet: 1 of 1
Unit: WNP-2

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**

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-61A	JCI	PI(1)-4S-X-61A	N/A	N/A	1982	Replacement	Yes, Code Class 1

7. **Description of Work:** Fabricated and installed modified connection with valve PI-V-901. The fabrication and installation work was performed as follows
   1) Fabricated pipe nipple
   2) Performed PT examination on the final machined surfaces of the pipe nipple. PT examination results acceptable
   3) Beveled the socket end of the new valve for butt welding
   4) Performed PT examination on the beveled end of the valve. PT examination results acceptable
   5) Cut and removed the existing connection
   6) Installed pipe nipple and valve 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 weld. RT examination results acceptable

PLAN NO 2-0886

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS (Back)

8 Tests Conducted: Hydrostatic [ ] Pneumatic [ ] Nominal Operating Pressure [ ] Other [X] None

Test Pressure: Psig — Test Temperature: °F

Component Design Pressure: Psig — Temperature: °F

9. Remarks: See attached NPV-1 Code Data Report for the new valve PI-V-901, Serial No PB 1162

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 Simpson — Materials And Inspection

Signed by R A Moore — Manager, Materials And Inspection

Date 7/22/93 — Date 7-27-93

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Washington and employed by Arkwright Mutual Insurance Company (Factory Mutual Engineering Association) of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period 1-12-93 to 7-30-93 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 Hoggard — Inspector's Signature

Commissions 9556W NB I — National Board, State, and Endorsements

Date 7-30-93

PLAN NO. 2-0886

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.

Rudip Gupta 7/20/93

1. Manufactured by Dragon Valves, Inc., 13457 Excelsior Dr., Norwalk, CA 90650
(Name and Address of N Certificate Holder)
2. Manufactured for Wash. Public Pwr. Sup. System, P. O. Box 968, Richland, WA 99352
(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., 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
(1)	7N057SW7D	PB1160	N/A	13828	1	N/A	1992
(2)		Thru		Rev. N/C			
(3)		PB1162					
(4)							
(5)							
(6)							
(7)		PI-V-901, SERIAL NO. PB1162					
(8)							
(9)							
(10)							

5. Globe Valve (3 pcs.)
(Brief description of service for which equipment was designed)

6. Design Conditions 3600 (Pressure) psi 100 (Temperature) °F or Valve Pressure Class _____ (1)
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 GR F316	Ajax Forge Co.	Body
HT. A19167	ASME SA182 GR F316	Ajax Forge Co.	Bonnet Yoke

(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.

(10/77) This form (E00037) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

FORM NPV-1 (Back)

Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting N/A			
(d) Other Parts			
HT. 853543	ASME SA564 GR 630	Carpenter Steel	Disc

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. I., Edition 1974, Addenda W'76 (Date), Code Case No. N/A, Date June 11, 1992

Signed DRAGON VALVES, INC. (N Certificate Holder) by [signature]

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 Washington Public Power Supply System (See Line 2)

Stress analysis report (Class 1 only) on file at Washington Public Power Supply System

Design specifications certified by (1) James F. Hagen, Jr.

PE State WA Reg. No. 13579

Stress analysis certified by (1) Harold M. Braund

PE State CA Reg. No. M20589

SATISFACTORY ✓ UNSATISFACTORY ____

[signature] II 6-26-92

RECEIPT INSPECTOR / LEVEL / DATE

(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 6-15 19 92, 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 6-15 19 92.

[signature] (Inspector) Commissions CA1494 (Nat'l Bd., State, Prov. and No.)

PLAN NO 2-0889

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

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

Date: 7/22/93
Sheet: 1 of 1
Unit: WNP-2

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 Valve	Crosby	N63790-00-0120	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 N63790-00-0120. 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

PLAN NO 2-0889

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS (Back)

8 Tests Conducted: Hydrostatic [ ] Pneumatic [ ] Nominal Operating Pressure [ ] Other [X] 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 Swiple — Materials And Inspection

Signed by R A Moen — Manager, Materials And Inspection

Date 7/22/93 — Date 7-27-93

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Washington and employed by Arkwright Mutual Insurance Company (Factory Mutual Engineering Association) of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period 11-30-92 to 7-27-93 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 Hogarth — Inspector's Signature

Commissions 9556 W NBI — National Board, State, and Endorsements

Date 7-30-93

PLAN NO 2-0890

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

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:** 7/22/93
   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's 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	N63790-00-0057	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 N63790-00-0057. 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

PLAN NO 2-0890

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS (Back)

8 Tests Conducted: Hydrostatic [ ] Pneumatic [ ] Nominal Operating Pressure [ ] Other [X] 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 [signature] Materials And Inspection Signed by [signature] Manager, Materials And Inspection

Date 7/22/93 Date 7-27-93

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Washington and employed by Arkwright Mutual Insurance Company (Factory Mutual Engineering Association) of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period 11-30-92 to 7-27-93 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 7/30/93

PLAN NO 2-0891

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

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

Date: 7/22/93
Sheet: 1 of 1
Unit: WNP-2

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 Valve	Crosby	N63790-00-0122	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 N63790-00-0122. 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) Installed two (2) new suds for the valve inlet nozzle

PLAN NO 2-0891

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS (Back)

8 Tests Conducted: Hydrostatic [ ] Pneumatic [ ] Nominal Operating Pressure [ ] Other [X] 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 Dulaip Singh Materials And Inspection Signed by R A Moen Manager, Materials And Inspection

Date 7/22/93 Date 7-27-93

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Washington and employed by Arkwright Mutual Insurance Company (Factory Mutual Engineering Association) of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period 11-30-92 to 7-27-93 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.

D M Hoggarth Inspector's Signature Commissions 9556W NBI National Board, State, and Endorsements

Date 7-30-93

PLAN NO 2-0893

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required By The Provisions Of The ASME Code Section XI

Date: 8/18/93
Sheet: 1 of 1
Unit: WNP-2

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
MS-RV-3D	Crosby	N63790-00-0126	N/A	N/A	1981	Replacement	Yes, Code Class 1

7. **Description Of Work Performed:** Replaced disc insert and nozzle for main steam relief valve MS-RV-3D, Serial No N63790-00-0126. 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) Reinstalled the valve
   4) Installed two (2) new nuts for the valve inlet nozzle
   5) Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during the pressure test

PLAN NO 2-0893

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS (Back)

8 Tests Conducted: Hydrostatic [ ] **Pneumatic** [X] **Nominal Operating Pressure** [X] **Other** [ ] None

Test Pressure: 1005/6.79 Psig **Test Temperature:** 538/81.2° F

Component Design Pressure: 1250/500 Psig **Temperature:** 575/470° F

9. Remarks: 1) Nominal operating pressure test on relief valve inlet flanged joint - test pressure of 1005 Psig and test temperature of 538° F, 2) Pneumatic test on relief valve outlet joint, body to bonnet joint, nozzle ring and adjusting ring set screw joints - test pressure of 6.79 Psig and test temperature of 81.2° F, 3) 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, 4) Relief valve set pressure and rated temperature - 1195 Psig at 575° F

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 Of Authorization No.: Not applicable

Expiration Date: Not Applicable

Prepared By Rudolph Smith — Materials And Inspection *Signed By* R A Moen — Manager, Materials And Inspection

Date 8/18/93 *Date* 8-18-93

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Washington *and employed by* Arkwright Mutual Insurance Company (Factory Mutual Engineering Association) of Norwood, Massachusetts *have inspected the components described in this Owner's Report during the period* 4-30-95 *to* 8-19-93 *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

Dill Hogarth — Inspector's Signature *Commissions* 9556W NBI — National Board, State, and Endorsements

Date 8-19-93

PLAN NO 2-0897

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required By The Provisions Of The ASME Code Section XI

Date: 8/18/93
Sheet: 1 of 1
Unit: WNP-2

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-G001C	WPPSS	B22-G001C-P1	N/A	N/A	1983	Replacement	Yes, Code Class 1

7. **Description Of Work Performed:** Replaced existing relief valve MS-RV-3C. The replacement work was performed as follows
   1) Removed existing relief valve MS-RV-3C, Serial No N63790-00-0051 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) 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

PLAN NO 2-0897

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS (Back)

8 Tests Conducted: Hydrostatic [ ] **Pneumatic** [X] **Nominal Operating Pressure** [X] **Other** [ ] None

Test Pressure: 1005/6.65 Psig **Test Temperature:** 538/88.8° 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 1005 Psig and test temperature of 538° F, 3) Pneumatic test on relief valve outlet joint, body to bonnet joint, nozzle ring and adjusting ring set screw joints - test pressure of 6.65 Psig and test temperature of 88.8° 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, 5) Relief valve set pressure and rated temperature - 1185 Psig at 575° F

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 Of Authorization No.: Not applicable

Expiration Date: Not Applicable

Prepared By Rudolph Lupb **Signed By** R A Man

Materials And Inspection — Manager, Materials And Inspection

Date 8/18/93 **Date** 8-18-93

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Washington *and employed by* Arkwright Mutual Insurance Company (Factory Mutual Engineering Association) of Norwood, Massachusetts *have inspected the components described in this Owner's Report during the period* 4-30-93 *to* 8-19-93 *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 **Commissions** 9556W NBI

Inspector's Signature — National Board, State, and Endorsements

Date 8-19-93

~~MS-RV-E~~

~~MS-545-1~~

PLAN NO. 2-0897

Rudolph Davis
8/18/93

CROSBY

CROSBY VALVE & GAGE COMPANY
WRENTHAM, MASS

FORM NV-1 FOR SAFETY AND SAFETY RELIEF VALVES Q.C.-440
As Required by the Provisions of the ASME Code Rules

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-SP-FK Order No. N94275 Contract Date 4/26/79 National Board No. N/A

2. Manufactured for General Electric Company, 175 Curtner Ave., San Jose, CA 95125 Order No. [illegible]
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-P013 Serial No. N63790-00-0052 Drawing No. DS-A-63790 Rev. C

Type Safety Relief (Safety, Safety Relief, Pilot, Power Actuated) Orifice Size R (Inch) Pipe Size ---- (Inch) Inlet 6 (Inch) Outlet 10 (Inch)

6. Set Pressure (psig) 1185 575° F (Rated Temperature)

Stamped Capacity 891,730 # 3 Overpressure — Blowdown (Psig) 22 to 112

Hydrostatic Test (psig) Inlet 2370 Outlet 1100 psig 975 psig (Assembled Valve) (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 ~~Castings~~		
Body	N93183-35-0071	ASME Σ A105-71 Gr. II / ASME Σ SA105 Gr. II
Bonnet	N93407-35-0034	ASME Σ A105-71 Gr. II / ASME Σ SA105 Gr. II
b. ~~Bar Stock & Forgings~~		
~~Connection~~ Disc Insert	N93185-34-0086	ASME Σ SA637 Gr. 718
Nozzle	N93184-33-0056	ASME Σ SA182 Gr. F316
Disc Holder *K55484-35-0091	*N89714-34-0174	AMS 5 5662B
Spring Washers K62858-35-0034	K62856-35-0090 / K62857-35-0055	ASTM A A105-71 Gr. II / ASME Σ SA105 Gr. II
Adjusting Bolt	N93410-33-0059	ASME Σ SA193 Gr. B6
Spindle Point K62873-35-0052	*N89720-34-0068	ASTM A A564-71 Type 630 / ASME Σ SA564 Type 630
c. Spring K62858-35-0034	*N89722-0010	ASTM A A304-66 Gr. 4161E
d. Bolting		
e. ~~Castings~~ Spindle Ball K62873-35-0052	N93213-0052	Stellite #6
Thrust Bearing Adapter	N93409-32-0054	ASME Σ SA193 Gr. B6
Bonnet Stud	(1117, BW5) N93207-0621 thru 0632	ASTM A A193-71 Gr. B7
Bonnet Stud Nut	(1187) N93210-0841 thru 0842	ASME Σ SA194 Gr. 2H
Inlet Stud	(BW6) N93218-0623 thru 0634	ASTM A A193-71 Gr. B7
Inlet Stud Nut	(BW8) N93218-0627 thru 0638	ASTM A A194-71 Gr. 2H / ASME Σ SA194 Gr. 2H
Adjusting Bolt Button K63618-33-0060	N93411-33-0060	ASME Σ SA193 Gr. B6

MAR

2

FOR [illegible] ONLY

S/N NR63T90-00-0521

Philip Eng
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 (Date), Code Case No. 1567 & 1711.
Class 1

Date 11-5-80 Signed Crosby Valve & Gage Co. (N Certificate Holder) by R.A. [illegible]

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

[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 11/10, 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, 1980.

Signed [illegible] (Inspector) Commissions MASS 1266 (Nat'l. Bd., State, Prov. and No.)

*Arkwright-Boston Manufacturers Mutual Insurance Company - Mutual Boiler & Machinery Div.

MASS

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FOR INFORMATION ONLY

PLAN NO 2-0898

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required By The Provisions Of The ASME Code Section XI

Date: 8/18/93
Sheet: 1 of 1
Unit: WNP-2

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-G001A	WPPSS	B22-G001A-P1	N/A	N/A	1983	Replacement	Yes, Code Class 1

7. **Description Of Work Performed:** Replaced existing relief valve MS-RV-3A. The replacement work was performed as follows
   1) Removed existing relief valve MS-RV-3A, Serial No N63790-00-0055 with set pressure of 1195 Psig at rated temperature of 575° F
   2) Installed replacement relief valve with Serial No N63790-00-0057 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

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

PLAN NO 2-0898

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS (Back)

8 Tests Conducted: Hydrostatic [ ] **Pneumatic** [X] **Nominal Operating Pressure** [X] **Other** [ ] None

Test Pressure: 1000/6.78 Psig **Test Temperature:** 538/86.4° 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 N63790-00-0057, 2) Nominal operating pressure test on relief valve inlet flanged joint - test pressure of 1000 Psig and test temperature of 538° F, 3) Pneumatic test on relief valve outlet joint, body to bonnet joint, nozzle ring and adjusting ring set screw joints - test pressure of 6.78 Psig and test temperature of 86.4° 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, 5) Relief valve set pressure and rated temperature - 1195 Psig at 575° F

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 Of Authorization No.: Not applicable

Expiration Date: Not Applicable

Prepared By Kuldip Singh — Materials And Inspection **Signed By** R. A. Moe — Manager, Materials And Inspection

Date 8/18/93. **Date** 8-18-93

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Washington *and employed by* Arkwright Mutual Insurance Company (Factory Mutual Engineering Association) of Norwood, Massachusetts *have inspected the components described in this Owner's Report during the period* 4-30-93 *to* 8-19-93 *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** 9556W NBI — National Board, State, and Endorsements

Date 8-19-93

Rudolph Sinks 5/4/88

CROSBY

CROSBY VALVE & GAGE COMPANY
WRENTHAM, MASS

PLAN No. 2-0898

FORM NV-1 FOR SAFETY AND SAFETY RELIEF VALVES
As Required by the Provisions of the ASME Code Rules

Q.C.-44D

Rudolph Sinks 8/18/83.

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 Avenue., 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. N63790-00-0057 Drawing No. DS-A-63790 Rev.

Type Safety Relief Orifice Size R Pipe Size -- Inlet 6 Outlet 10
Safety, Safety Relief, Pilot, Power Actuated Inch Inch Inch Inch

6. Set Pressure (psig) 1195 575° F
Rated Temperature

Stamped Capacity 899,185 @ 3 % Overpressure -- Blowdown (psig) 2 % to [illegible]

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
Bar Stock & Forgings		
a. ~~Castings~~		
Body	N93183-35-0076	ASTM A105-71 Gr. II ASME SA105 Gr. II
Bonnet	N93407-35-0039	ASTM A105-71 Gr. II ASME SA105 Gr. II
b. ~~Forgings~~		
~~Upper Cross~~ Disc Insert	N93185-34-0089	ASME SA637 Gr. 718
Nozzle	N93184-33-0061	ASME SA182 Gr. F316
Disc Holder *K55484-35-0083	*N89714-34-0093	AMS 5662B
Spring Washers K62858-35-0039	K62856-35-0095 K62857-35-0060	ASTM A105-71 Gr. II ASME SA105 Gr. II
Adjusting Bolt	N93410-33-0064	ASME SA193 Gr. B6
Spindle Point K62873-35-0057	*N89720-34-0073	ASTM A564-71 Type 630 ASME SA564 Type 630
c. Spring K62858-35-0039	*N89722-0015	ASTM A304-66 Gr. 4161 H
d. Bolting		7X00380090
e. ~~Connections~~ Spindle Ball K62873-35-0057	N93213-0057	Stellite #6
Thrust Bearing Adapter	N93409-32-0059	ASME SA193 Gr. B6
Bonnet Stud (BW5, I17)	N93207-0681 thru 0692	ASTM A193-71 Gr. B7 ASME SA193 Gr. B7
Bonnet Stud Nut (J87)	N93210-0901 thru 0912	ASME SA194 Gr. 2H
Inlet Stud (BW6)	N93216-0683 thru 0694	ASTM A193-71 Gr. B7 ASME SA193 Gr. B7
Inlet Stud Nut (BW8)	N93216-0687 thru 0698	ASTM A194-71 Gr. 2H ASME SA194 Gr. 2H
Adjusting Bolt Button K63618-33-0066	N93411-33-0066	ASME SA193 Gr. B6

Modification consists of replacement of the [illegible] 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.

~~NG-27-413~~ Rudolp Lewis s/n
~~NG3790-00-00-0171~~

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 (Date), Code Case No. 1567 & 1711.

Class 1

Date 11-5-80 Signed Crosby Valve & Gage Co. by R. A. 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[1] Boyd 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.

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 12-9, 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 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 12-9 1980.

Signed [signature] (Inspector) Commissions MASS 1266 (Nat'l. Bd., State, Prov. and No.)

*Arkwright-Boston Manufacturers Mutual Insurance Company - Mutual Boiler & Machinery Div.

ZX00380091

PLAN NO 2-0910

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required By The Provisions Of The ASME Code Section XI

Date: 8/19/93
Sheet: 1 of 1
Unit: WNP-2

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**

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(4)-1A	WPPSS	RHR(4)-1A-P1	N/A	N/A	1983	Replacement	Yes, Code Class 2

7. **Description Of Work Performed:** Installed blind flanges in place of relief valve RHR-RV-36. The replacement work was performed as follows
   1) Installed tube steel on both the blind flanges
   2) Made required welds
   3) Performed MT examination on the final welds. MT examination results acceptable
   4) Surface finished both the blind flanges facing
   5) Drilled test port in one (1) of the blind flange
   6) Installed the blind flange assembly in place of relief valve RHR-RV-36
   7) Installed new bolting material for both the blind flanged joints
   8) Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during the pressure test

PLAN NO 2-0910

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS (Back)

8 Tests Conducted: Hydrostatic [ ] Pneumatic [ ] Nominal Operating Pressure [ ] Other [•]

Test Pressure: 35.4 Psig — Test Temperature: 71.2° F

Component Design Pressure: 125 Psig — Temperature: 300/480° F

9. Remarks: * Performed Appendix J test on the blind flanged joint

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 Of Authorization No.: Not applicable

Expiration Date: Not Applicable

Prepared By Philip Sayers — Materials And Inspection

Signed By R.D. Mason — Manager, Materials And Inspection

Date 8/19/93 — Date 8-19-93

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Washington and employed by Arkwright Mutual Insurance Company (Factory Mutual Engineering Association) of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period 4-22-93 to 8-23-93 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 9556W NBI — National Board, State, and Endorsements

Date 8-23-93

PLAN NO 2-0911

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

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:** 8/19/93
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 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 and N-416
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)-4B	WPPSS	MS(1)-4B-P3	N/A	N/A	1983	Replacement	Yes, Code Class 2

7. Description Of Work Performed: Removed existing drain connection with valves MS-V-238B and MS-V-239. The replacement work was performed as follows

1) Cut and removed the existing drain connection
2) Installed new pipe and pipe cap
3) Made required socket welds
4) Performed MT examination on the final socket welds. MT examination results acceptable. The MT examination satisfied both ASME Section III, Code Class 2 and Code Case N-416 requirements
5) Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during the pressure test

PLAN NO 2-0911

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS (Back)

8 Tests Conducted: Hydrostatic [ ] Pneumatic [ ] Nominal Operating Pressure [X] Other [ ] None

Test Pressure: 939.3 Psig — Test Temperature: 535° F

Component Design Pressure: 1250 Psig — Temperature: 575° F

9. Remarks: Visual examination (VT-2) for leakage at nominal operating pressure and temperature was performed in lieu of the required hydrostatic test as permitted by Code Case N-416

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 Of Authorization No.: Not applicable

Expiration Date: Not Applicable

Prepared By Pradip Singh — Materials And Inspection

Signed By R A Mac — Manager, Materials And Inspection

Date 8/19/93 — Date 8-19-93

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Washington and employed by Arkwright Mutual Insurance Company (Factory Mutual Engineering Association) of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period 1-29-93 to 8-23-93 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 NBI — National Board, State, and Endorsements

Date 8-23-93

PLAN NO 2-0914

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

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:** 7/22/93
   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:** 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**

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-36	Borg Warner	23762	N/A	N/A	1977	Repair	Yes, Code Class 3

7. **Description of Work:** Made body to bonnet seal weld for valve SW-V-36. 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 pressure test to confirm pressure boundary integrity. No evidence of leakage during the pressure test

PLAN NO 2-0914

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS (Back)

8 Tests Conducted: Hydrostatic [ ] Pneumatic [ ] Nominal Operating Pressure [X] Other [ ] None

Test Pressure: 215 Psig **Test Temperature:** 68° 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 Rulaish Singh Materials And Inspection — Signed by R A Moe Manager, Materials And Inspection

Date 7/28/93 — Date 7-28-93

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Washington *and employed by* Arkwright Mutual Insurance Company (Factory Mutual Engineering Association) of Norwood, Massachusetts *have inspected the components described in this Owner's Report during the period* 3-11-93 *to* 7-30-93 *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 NB I National Board, State, and Endorsements

Date 7/30/93

PLAN NO 2-0915

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

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:** 8/19/93
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: Service Water (SW) 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
SW-V-37	Borg Warner	13999	N/A	N/A	1976	Repair	Yes, Code Class 1

7. Description Of Work Performed: Made body to bonnet seal weld for valve SW-V-37. The work was performed as follows

1) Cut valve body to bonnet seal weld
2) Machined valve disc seating surface
3) Performed PT examination on the final machined surface. PT examination results acceptable
4) Performed PT examination on the valve body and bonnet prepped surfaces. PT examination results acceptable
5) Reinstalled valve internals and the bonnet
6) Made valve body to bonnet seal weld
7) Performed PT examination on the final seal weld. PT examination results acceptable
8) Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during the pressure test

PLAN NO 2-0915

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS (Back)

8 Tests Conducted: Hydrostatic [ ] Pneumatic [ ] Nominal Operating Pressure [X] Other [ ] None

Test Pressure: 215 Psig
Component Design Pressure: 3600 Psig
Test Temperature: 68° F
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 Of Authorization No.: Not applicable
Expiration Date: Not Applicable

Prepared By Dildip Singh
Materials And Inspection

Signed By [illegible]
Manager, Materials And Inspection

Date 8/19/93

Date 8-19-93

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Washington and employed by Arkwright Mutual Insurance Company (Factory Mutual Engineering Association) of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period 3-11-93 to 8-20-93 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 9556W NBI
National Board, State, and Endorsements

Date 8-23-93

PLAN NO 2-0917

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

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

Date: 7/29/93
Sheet: 1 of 1
Unit: WNP-2

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 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
SW-V-109A	Borg Warner	28689	N/A	N/A	1978	Repair	Yes, Code Class 1

7. **Description of Work:** Made body to bonnet seal weld for valve SW-V-109A. The work was performed as follows
   1) Cut valve body to bonnet seal weld
   2) Removed valve internals for troubleshooting
   3) Prepped cut/ground areas on the valve body and the bonnet
   4) Performed PT examination on the valve body and bonnet prepped areas. PT examination results acceptable
   5) Reinstalled valve internals and the bonnet
   6) Made valve body to bonnet seal weld
   7) Performed PT examination on the final seal weld. PT examination results acceptable
   8) Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during the pressure test

PLAN NO 2-0917

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS (Back)

8 Tests Conducted: Hydrostatic [ ] Pneumatic [ ] Nominal Operating Pressure [X] Other [ ] None

Test Pressure: 215 Psig
Component Design Pressure: 3600 Psig
Test Temperature: 68° F
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 Dulip Singh
Materials And Inspection

Signed by RAMan
Manager, Materials And Inspection

Date 7/29/93

Date 7-30-93

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Washington and employed by Arkwright Mutual Insurance Company (Factory Mutual Engineering Association) of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period 2-25-93 to 7-30-93 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 NBI
National Board, State, and Endorsements

Date 8-2-93

PLAN NO 2-0923

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required By The Provisions Of The ASME Code Section XI

Date: 8/18/93
Sheet: 1 of 1
Unit: WNP-2

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
MS-RV-2B	Crosby	N63790-00-0049	N/A	N/A	1980	Replacement	Yes, Code Class 1

7. **Description Of Work Performed:** Replaced disc insert and nozzle for main steam relief valve MS-RV-2B, Serial No N63790-00-0049. 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) Reinstalled the valve
   4) Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during the pressure test

PLAN NO 2-0923

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS (Back)

8 Tests Conducted: Hydrostatic [ ] **Pneumatic** [X] **Nominal Operating Pressure** [X] **Other** [ ] None

Test Pressure: 1005/6.79 Psig **Test Temperature:** 538/90.4° F

Component Design Pressure: 1250/500 Psig **Temperature:** 575/470° F

9. Remarks: 1) Nominal operating pressure test on relief valve inlet flanged joint - test pressure of 1005 Psig and test temperature of 538° F, 2) Pneumatic test on relief valve outlet joint, body to bonnet joint, nozzle ring and adjusting ring set screw joints - test pressure of 6.79 Psig and test temperature of 90.4° F, 3) 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, 4) Relief valve set pressure and rated temperature - 1175 Psig at 575° F

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 Of Authorization No.: Not applicable

Expiration Date: Not Applicable

Prepared By Philip Sims — Materials And Inspection *Signed By* R A Moon — Manager, Materials And Inspection

Date 8/18/93 *Date* 8-18-93

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Washington *and employed by* Arkwright Mutual Insurance Company (Factory Mutual Engineering Association) of Norwood, Massachusetts *have inspected the components described in this Owner's Report during the period* 4-30-93 *to* 8-19-93 *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* 9556W NBI — National Board, State, and Endorsements

Date 8-19-93

PLAN NO 2-0926

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required By The Provisions Of The ASME Code Section XI

Date: 8/18/93
Sheet: 1 of 1
Unit: WNP-2

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
MS-RV-3B	Crosby	N63790-00-0053	N/A	N/A	1980	Replacement	Yes, Code Class 1

7. **Description Of Work Performed:** Replaced disc insert and nozzle for main steam relief valve MS-RV-3~~D~~B, Serial No N63790-00-0053. 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) Reinstalled the valve
   4) Installed two (2) new nuts and one (1) new stud for the valve inlet nozzle
   5) Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during the pressure test

PLAN NO 2-0926

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS (Back)

8 Tests Conducted: Hydrostatic [ ] **Pneumatic** [X] **Nominal Operating Pressure** [X] **Other** [ ] None

Test Pressure: 1005/6.78 Psig **Test Temperature:** 538/90.4° F

Component Design Pressure: 1250/500 Psig **Temperature:** 575/470° F

9. Remarks: 1) Nominal operating pressure test on relief valve inlet flanged joint - test pressure of 1005 Psig and test temperature of 538° F, 2) Pneumatic test on relief valve outlet joint, body to bonnet joint, nozzle ring and adjusting ring set screw joints - test pressure of 6.78 Psig and test temperature of 90.4° F, 3) 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, 4) Relief valve set pressure and rated temperature - 1185 Psig at 575° F

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 Of Authorization No.: Not applicable

Expiration Date: Not Applicable

Prepared By Rudolph Swift — Materials And Inspection **Signed By** R A Moen — Manager, Materials And Inspection

Date 8/18/93 **Date** 8-18-93

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Washington *and employed by* Arkwright Mutual Insurance Company (Factory Mutual Engineering Association) of Norwood, Massachusetts *have inspected the components described in this Owner's Report during the period* 4-30-93 *to* 8-19-93 *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 Haggarth — Inspector's Signature **Commissions** 9556W NB I — National Board, State, and Endorsements

Date 8-19-93

PLAN NO 2-0927

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required By The Provisions Of The ASME Code Section XI

Date: 8/19/93
Sheet: 1 of 1
Unit: WNP-2

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
MS-RV-1C	Crosby	N63790-00-0046	N/A	N/A	1981	Replacement	Yes, Code Class 1

7. **Description Of Work Performed:** Replaced disc insert and nozzle for main steam relief valve MS-RV-1C, 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
   3) Reinstalled the valve
   4) Installed one (1) new bolt for the valve outlet nozzle
   5) Performed pressure test to confirm pressure boundary integrity. No evidence of leakage during the pressure test

NOTES -
1) ASME Section III Code Class 3, 1971 Edition with Winter 1973 Addenda for the valve outlet piping system

PLAN NO 2-0927

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS (Back)

8 Tests Conducted: Hydrostatic [ ] Pneumatic [X] Nominal Operating Pressure [X] Other [ ] None

Test Pressure: 1005/6.78 Psig Test Temperature: 538/81.3° F

Component Design Pressure: 1250/500 Psig Temperature: 575/470° F

9. Remarks: 1) Nominal operating pressure test on relief valve inlet flanged joint - test pressure of 1005 Psig and test temperature of 538° F, 2) Pneumatic test on relief valve outlet joint, body to bonnet joint, nozzle ring and adjusting ring set screw joints - test pressure of 6.78 Psig and test temperature of 81.3° F, 3) 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, 4) Relief valve set pressure and rated temperature - 1150 Psig at 575° F

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 Of Authorization No.: Not applicable

Expiration Date: Not Applicable

Prepared By Rudolph Sugs Materials And Inspection Signed By R A Moe Manager, Materials And Inspection

Date 8/19/93 Date 8-19-93

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Washington and employed by Arkwright Mutual Insurance Company (Factory Mutual Engineering Association) of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period 4-30-93 to 8-23-93 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 9556W NBI National Board, State, and Endorsements

Date 8-23-93

MWR NO AP 0797

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

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

Date: 6/16/93
Sheet: 1 of 1
Unit: WNP-2

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
MS(1)-4B	WPPSS	MS(1)-4B	N/A	N/A	1984	Replacement	Yes, Code Class 2

7. **Description of Work:** Replaced snubbers for supports MD-1285-14A and MD-1287-11. The replacement work was performed as follows
   1) Removed existing snubber with Serial No 4011 and replaced it with new snubber with Serial No 2473 for support MD-1285-14A
   2) Removed existing snubber with Serial No 379 and replaced it with new snubber with Serial No 293 for support MD-1287-11

MWR NO AP 0797

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS (Back)

8 Tests Conducted: Hydrostatic [ ] Pneumatic [ ] Nominal Operating Pressure [ ] Other [X] *

Test Pressure: Psig — Test Temperature: ° F

Component Design Pressure: Psig — Temperature: ° F

9. Remarks: * Snubber operability test performed on the replacement snubbers

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 Inspection

Signed by R Amen — Manager, Materials And Inspection

Date 6/16/93 — Date 6-16-93

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Washington and employed by Arkwright Mutual Insurance Company (Factory Mutual Engineering Association) of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period 5-21-93 to 6-17-93 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 NBI — National Board, State, and Endorsements

Date 6/17/93