

10.CFR.50.55a

Palo Verde Nuclear Generating Station

**David Mauldin** Vice President Nuclear Engineering and Support

TEL (623) 393-5553 FAX (623) 393-6077 Mail Station 7605 P.O. Box 52034 Phoenix, AZ 85072-2034

102-04525-CDM/AKK/RKB February 1, 2001

U.S. Nuclear Regulatory Commission ATTN: Document Control Desk Mail Station P1-37 Washington DC 20555-0001

Dear Sirs:

Subject:

Palo Verde Nuclear Generating Station (PVNGS)

Unit 2

Docket No. STN 50-529

Unit 2 Second 10-Year Interval – Ninth Refueling Outage (U2R9)

Inservice Inspection (ISI) Summary Report

Pursuant to 10 CFR 50.55a and IWA-6240 of Section XI of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, 1992 Edition, 1992 Addenda, Arizona Public Service Company (APS) hereby submits the PVNGS Unit 2 Inservice Inspection Report for the ninth refueling outage, enclosed. This refueling outage was conducted between October 4, 2000 and November 6, 2000.

During the required inservice inspection (ISI) examinations, a pressurizer heater nozzle leak was identified. In addition, a leak was found on a sample line nozzle on steam generator number 1. The necessary repairs were performed and these findings along with other discrepant findings are documented in Section 7 (Repair & Replacement) of the enclosed report. Various other non-rejectable indications were detected during the course of ISI examinations, the records of which are maintained on file.

No commitments are being made to the NRC by this letter.

Should you have any questions, please contact Scott A. Bauer at (623) 393-5978.

CDM/AKK/RKB/kg

Enclosure

C. DAVID MAULDIN

Sincerely.

VICE PRESIDENT - NUCLEAR ENGINEERING

CC:

E. W. Merschoff

J. N. Donohew J. H. Moorman

[Region IV Administrator] [NRR Project Manager] [Sr. Resident Inspector]

#### **ENCLOSURE**

# SECOND 10-YEAR ISI INTERVAL SUMMARY REPORT NINTH REFUELING OUTAGE PALO VERDE NUCLEAR GENERATING STATION UNIT 2

## PALO VERDE NUCLEAR GENERATING STATION UNIT 2 INSERVICE INSPECTION REPORT NINTH REFUELING OUTAGE

ARIZONA PUBLIC SERVICE 5801 S. WINTERSBURG ROAD TONOPAH, AZ 85354

PREPARED BY:

DATE: 12-12-00

REVIEWED BY:

DATE: /2//2/00

APPROVED BY:

DATE: 1/02/0/

COMMERCIAL SERVICE DATE: 9/19/86

**REPORT DATE: 12/12/00** 

#### **UNIT 2 INSERVICE INSPECTION REPORT**

#### 1.0 Introduction

This report is a summary of the examinations performed during the ninth Inservice Inspection (ISI) at Palo Verde Nuclear Generating Station (PVNGS) Unit 2. This was the last refueling for the first period of Interval 2. The refueling began October 4, 2000 and was completed November 6, 2000. U2R9 was the first outage which implemented ASME Appendix VIII requirements, whereas increased ultrasonic techniques were used in the volumetric examination of piping welds. Palo Verde Unit 2 began commercial operation on September 19, 1986.

This report identifies the components examined, the examination methods used, the examination report numbers, and summarizes the examination results for each of the following categories:

- 1. ASME Section XI, Class 1 and 2 pressure retaining components and their supports.
- 2. Augmented High Energy Piping systems in accordance with PVNGS UFSAR Section 6.6.8.

This report is a summary of all examinations completed through Nov. 6, 2000 for period 1 of the 2nd interval. All of the examination report numbers listed in Appendix A for the ninth refueling and applicable examinations performed since the last summary report are numbered with 00-2XXX and are in bold print.

#### 2.0 Examination Summary

The evaluation of the results from volumetric and surface examinations indicated that the integrity of the systems had been maintained. Augmented visual examinations were conducted on several RCS components and a PZR heater nozzle was found to have leakage. Repairs were performed. An augmented visual examination found leakage on a SG1 sample line nozzle and repairs were conducted. All discrepancies were corrected or determined "use as is" in accordance with PVNGS work control practices and ASME Section XI. The discrepant findings noted are listed in Section 7 (Repairs & Replacements).

Various non-rejectable indications were detected during the performance of examinations. These indications were recorded, and are maintained on file.

#### 3.0 Examination Techniques

The three types of examinations utilized to perform the Inservice Examinations, along with the actual nondestructive examination techniques, are identified in the legend below:

VT-Visual	VT-1	General Condition
	VT-2	Leakage
	VT-3	Structural Condition
S-Surface	PT	Liquid Penetrant
	MT	Magnetic Particle
VOL-Volumetric	UT	Ultrasonic
	RT	Radiographic

All of the nondestructive examinations were performed using specific techniques and procedures that are indicated in ASME Section XI, or alternative examinations that are demonstrated to be equivalent or superior to those identified.

#### 4.0 Accessibility

All items were examined to the extent practical. Any code limitations encountered during the examination are documented in Appendix B.

#### 5.0 Personnel

All nondestructive examinations were performed by Arizona Public Service Company, Lambert, MacGill, Thomas, Inc. (LMT), or MQS. All personnel were certified in accordance with programs written to comply with the applicable requirements of ASME Section XI. Copies of all certifications are maintained on file. The Hartford Steam Boiler Inspection and Insurance Company provided the Authorized Nuclear Inservice Inspector.

#### 6.0 Equipment and Materials

The equipment and materials utilized were certified to the requirements of ASME Section XI. Copies of all certifications are maintained on file.

#### 7.0 Repairs and Replacements

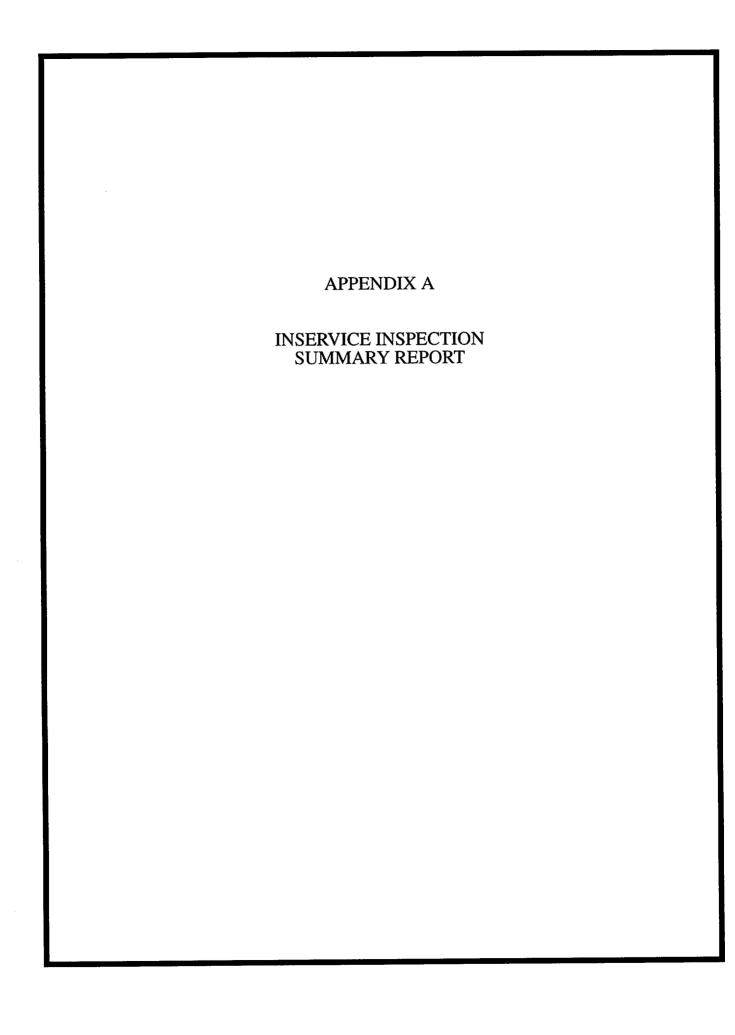
No repairs or replacements were identified as a result of ISI examinations during U2R9. The PZR heater nozzle A-06 and a Steam Generator 1 sample line nozzle were rejected as a result of an augmented visual examination and were repaired per the requirements of the repair and replacement program. The applicable records and reports for the specific maintenance repair or replacements performed during U2R9 and after the last summary report are maintained on file at Palo Verde. The applicable NIS-2 forms are an attachment to Appendix D and are submitted for review with this report.

Items requiring corrective action as a result of the inservice or augmented examinations were as follows:

ZONE	CRDR/WO	ITEM ID	DISCREPANCY
RCS	2321742	SIUV628	Boric acid residue
RCS	2322158	SIEFO30	Boric acid residue
RCS	2324138	RCEPV100F	Boric acid residue
5	2327179	Heater A-6	PZR Heater nozzle leakage detected
SG	2330314	SG1 nozzle	Sample nozzle leakage detected

During initial walk down of the class 1 bolted connections, three RCS bolted connections were found to have boric acid residue. SIEFO30 and SIUV628 connections were disassembled and examined. The stainless steel bolting material showed no evidence of corrosion and were acceptable. Request for Relief numbers 11 and 12 were used to evaluate the condition of RCEPV100F. The condition, again with corrosion resistant bolting material, was found to be acceptable for continued operation. This evaluation is documented on CRDR #2324138. An augmented visual examination of RCS components revealed leakage detected at the A06 PZR heater nozzle. Evaluations were performed and the A06 heater sleeve was plugged. A similar heater sleeve, B18, was also plugged after ID eddy current examinations revealed evidence of an ID crack indication. A significant investigation and transportability evaluation was performed and documented in CRDR #2326705.

A sample line nozzle on steam generator one revealed signs of leakage. The nozzle was repaired and reexamined.



#### **Definition of Terms**

The column headings for the tables on the following pages are defined below:

ASME Item No: The ASME Section XI Category/Item Numbers are listed in the

Code, Subsections IWB and IWC. The item number

prefixes are defined below:

AHE - Augmented high energy systems piping

B - ASME Class 1 systems

BFLYWH - Reactor coolant pump flywheels

BIWF - ASME Class 1 supports

C - ASME Class 2 systems

CIWF - ASME Class 2 supports

Zone No: Area designation per PVNGS design

Comp/Sys: Component or system descriptor

Insp Per: Inspection period

Amt Reqd: Number of items required to be completed in the period

Amt Comp: Number of required items completed

Item ID: Item identification per ISI program/zone drawings

Reports (VOL): Volumetric exam report number

(SURF): Surface exam report number

(VIS): Visual exam report number

Remarks: Re-exam or replacement remarks indicate

acceptable examination results

#### Definition of terms continued

ADV: Atmospheric Dump Valve

Aux FW: Auxiliary Feedwater

Atmos Dump: Atmospheric Dump

Circ: Circumferential

Cont: Containment

CS: Containment Spray

CSP: Containment Spray Pump

DWNCMR: Downcomer

FW: Feedwater

HPSI: High Pressure Safety Injection

Letdown HT Exch: Letdown Heat Exchanger

LPSI: Low Pressure Safety Injection

MS: Main Steam

PSV: Pressurizer Safety Valve

PZR: Pressurizer

RCP: Reactor Coolant Pump

RCS: Reactor Coolant System

Reg HT Exch: Regenerative Heat Exchanger

RT: Radiographic Testing

SD: Shutdown

SDCHX: Shutdown Cooling Heat Exchanger

SG: Steam Generator

SI: Safety Injection

SNUB. REDUC: Snubber Reduction Program

UT: Ultrasonic Testing

ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
AHE5.51	47 MS SG1	One	12	12	47-1	99-2342	99-2324		
& 5.52	.,				47-2		99-2324		
33 333 2					47-4	99-2438	99-2202		
					47-8	99-2439	99-2202		
					47-12	99-2440	99-2202		
					47-16	99-2441	99-2202		
					47-20	99-2442	99-2202		
					47-24	00-2476	00-2473		
					47-25		99-2202		
					47-28		99-2284		
					47-29		99-2284		
Ì					47-30		99-2202		
	51 Atmos Dump SG1	One	13	13	51-1		99-2285		
					51-2		99-2082		
					51-3		99-2082		
					51-4		99-2082		
					51-5		99-2082		
					51-6		99-2082		
					51-7		00-2211		
					51-8A		00-2212		
					51-8B		99-2082		
					51-9		99-2082		
					51-85		99-2285		
					51-86		99-2285		
		_	4.0	4.0	51-40		99-2082		
	53 Steam to Aux FW	One	10	10	53-11		99-2083		
					53-12		99-2083		PSE
					53-13		99-2154		PSE
					53-14 53-15		99-2083 99-2083		
					53-13 53-21		99-2083		
					53-21		99-2083		
					53-23		99-2083		
					53-24		99-2154		PSE
ı					53-25		99-2083		
	56 Feedwater SG1	One	6	6	56-1		00-2425		
	50 Teca water 501		·	•	56-4		00-2425		
					56-6		00-2425		
					56-7	00-2478	00-2425		
					56-9	00-2479	00-2425		
					56-11	00-2480	00-2425		
	60 Downcomer SG1	One	9	9	60-7	99-2525	99-2477		
					60-8		00-2083		
					60-9		00-2083		
1						00-2194			
					60-11		00-2083		
1						00-2196			
					60-12		00-2083		
1						00-2198	;		

ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
AHE 5.51 & 5.52					60-14	99-2526 <b>00-2199</b> <b>00-2200</b>	99-2477		
					60-15 60-16	99-2527 99-2528	99-2477 99-2477		
	66 Blowdown SG1	One	10	10	60-17 66-1 66-2	99-2427	99-2477 99-2478 99-2318		
					66-3 66-4 66-5	99-2430	99-2318 99-2318 99-2318		
					66-7 66-8 66-9	99-2432 99-2433	99-2318 99-2318 99-2318		
					66-25 66-28	99-2479 99-2435	99-2478 99-2318		
AHE 5.81 & 5.82	47 MS SG1	One	7	7	47-3 47-7 47-11 47-15	99-2357 99-2359	99-2202 99-2202 99-2202 99-2202		
					47-19 47-23 47-27	99-2361 99-2362	99-2202 99-2202 99-2284		
B 1.22	02 Closure Head	One	33%	33%	2-4		99-2390		Accessible Areas
B 1.30 B 1.40	01 Reactor Vessel 02 Closure Head	One One	50% 33%	50% 33%	1-14 2-1	* 99-2382 99-2383 99-2384	99-2390		Examined 0°-180° Examined 0°-120°
B 2.11 & 2.12	5 Pressurizer	One	66%	66%	5-2	99-2277 99-2278	99-2193		Examined 0°-240°
					5-3	99-2277 99-2278	99-2193		1' long seam for 5-2
B 2.31 & 2.32	03 SG1	One	2	2	3-3	99-2279 99-2251 99-2252 99-2253			
					3-10	99-2254 99-2247 99-2248 99-2249 99-2250			

APPENDIX A

INSERVICE INSPECTION SUMMARY REPORT

ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
B 2.31 & 2.32					3-11	99-2227 99-2232 99-2233			· ·
			33%	33%	3-5	99-2234 99-2227 99-2228 99-2229			Examined 0°-120°
B 2.40	03 SG1	One	50%	50%	3-6	99-2230 99-2231 99-2232 99-2233 99-2234			Examined 0°-180°
D 0 00	01.0 (	0	2	2	1-15	99-2234 *			*Seperate Report
B 3.90	01 Reactor Vessel	One	2	2	1-13	*			by Wesdyne. Exam
D 2 100	01 Reactor Vessel	One	2	2	1-18	*			completed in 2R7
В 3.100	Of Reactor Vessel	One	4	2	1-13	*			completed in Dici
В 3.110	5 PZR	One	2	2	5-9	00-2379 00-2380 00-2381 00-2382			
					5-11	00-2342 00-2342 00-2343 00-2344			
В 3.120	5 PZR	One	2	2	5-9 5-11	00-2386 00-2387 00-2353			
В 3.130	03 SG1	One	1	1	3-9	<b>00-2357</b> 99-2243 99-2244 99-2245			
	4 SG 2	One	1	1	4-9	99-2246 00-2516 00-2517 00-2518 00-2519			
В 3.140	3 SG1	One	1	1	3-9	00-2521 00-2523			
	4 SG 2	One	1	1	4-9	00-2522 00-2524			
B 4.12	2 Closure Head	One	8	8	CEDM			00-2569	
B 4.13	1 Reactor Vessel	One	5	5	Instru			00-2569	
В 4.20	05 PZR	One	12	12	heaters			99-2522 <b>00-2569</b>	
B 5.40	20 PZR Surge	One	1	1	5-34	00-2426 00-2427 00-2428 00-2520			

### APPENDIX A INSERVICE INSPECTION SUMMARY REPORT

ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
B 5.40	31 PZR Safeties	One	1	1	5-29	00-2383 00-2384 00-2385 00-2429 00-2099	00-2089		
B 6.10	02 Closure Head	One	18	18	1 thru 18	<b>40 2</b> 077	99-2332	99-2333	
B 6.30	02 Closure Head	One	18	18	1 thru 18	00-2296	99-2335		
B 6.50	02 Closure Head	One	18	18	1 thru 18			99-2334	
B 6.180	16 RCP 1A	One	5	5	1 thru 5	00-2394		99-2444	
								00-2441	
İ	17 RCP 1B	One	5	5	1 thru 5	00-2394		99-2447	
								00-2441	
	18 RCP 2A	One	5	5	1 thru 5	00-2394		99-2446	
								00-2441	
	19 RCP 2B	One	5	5	1 thru 5	00-2394		99-2445	
								00-2441	
В 6.200	16 RCP 1A	One	5	5	1 thru 5			99-2444	
								00-2441	
	17 RCP 1B	One	5	5	1 thru 5			99-2447	·
								00-2441	
	18 RCP 2A	One	5	5	1 thru 5			99-2446	
								00-2441	
	19 RCP 2B	One	5	5	1 thru 5			99-2445	
								00-2441	
В 7.20	05 Pressurizer	One	20	20	20 studs			99-2260	
		_	40		40 . 1			00-2249	
В 7.30	03 SG1	One	40	40	40 studs			99-2258	
		_	40	40	40 4 3-			<b>00-2247</b> 99-2259	
	04 SG2	One	40	40	40 studs			99-2239 <b>00-2248</b>	
	04 D C 0 4	•		1	DCMAOO			99-2261	
В 7.50	31 Pzr Safeties	One	1	1	PSV200			99-2373	
								00-2250	
	,				PSV201			99-2261	
ı					15,201			99-2373	
								00-2250	
					PSV202			99-2261	
								99-2373	
1								00-2250	
					PSV203			99-2261	
								99-2373	
								00-2250	
	37 Charging	One	1	1	V435			99-2113	
В 7.60	16 RCP 1A	One	5	5	1 thru 5			99-2444	
								00-2441	
	17 RCP 1B	One	5	5	1 thru 5			99-2447	
		_	_					00-2441	
	18 RCP 2A	One	5	5	1 thru 5			99-2446	
		_	_	_	4.0 **			00-2441	
	19 RCP 2B	One	5	5	1 thru 5			99-2445	
								00-2441	

ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
В 7.70	21 SD Cooling A	One	1	1	UV653			99-2321	
2 0	22 SD Cooling B	One	1	1	UV654			00-2324	
	23 SI 1A	One	1	1	V237			00-2567	
	24 SI 1B	One	1	1	V543			99-2069	
	25 SI 2A	One	1	1	V540			99-2177	
	26 SI 2B	One	1	1	V225			99-2091	
	28 PZR Spray	One	2	2	V241			99-2181	Reject
								99-2372	Re-exam
								00-2046	
					V242			99-2182	Reject
								99-2372	Re-exam
								00-2046	
	31 Pzr Safeties	One	1	1	PSV200			99-2505	
								00-2435	
	32 Drain Loop 1A	One	2	2	V234			99-2081	
	-				V334			99-2081	
	37 Charging	One	1	1	PDV240			99-2346	
	38 Drain Loop 1	One	1	1	V215			00-2097	
	39 Hpsi	One	1	1	V523			00-2085	
В 7.80	2 Closure Head	One	1	1	CEDM 92			00-2322	
					CEDM 96			00-2322	
B 8.20	5 Pressurizer	One	66%	66%	5-1		99-2193		
						99-2395			
						99-2396			Reject. Acceptable per
									MNCR 93-RC-2027
						99-2397			D . 100 1000
В 8.30	03 SG1	One	33%	33%	3-1		99-2194		Examined 0°-120°
						99-2240			
						99-2241			
		_	_	_		99-2242	00 0511		***
B 9.11 &	06 RCS Piping	One	7	7	1-27	*	00-2511		*Separate report by Wesdyne. Exams
9.12					1-30	*	00-2511		completed in U2R7
					6-7 7-7	*	00-2511 00-2511		completed in O2K/
					3-30		99-2548		
					3-30	99-2216	77 <b>-</b> 2340		
						99-2210			
						99-2218			
					4-30		99-2548		
					-1-50	99-2220			
						99-2221			
						99-2222			
					17-2		00-2290	1	,
	20 PZR Surge	One	1	1	20-1		00-2111		
I	21 SD Cooling 1	One	3	3	6-11		00-2112		
						00-2532			
						00-2533			
						00-2535			
1						00-2539			
					21-18		00-2528	;	
						00-2537			
									,
I									

ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
B 9.11 & 9.12					21-20	00-2534 00-2538	00-2113		
	22 SD Cooling 2	One	2	2	22-11	00-2245	00-2101		
	CT I	_			22-14		00-2101		
	23 SI 1A	One	4	4	9-10	00-2234	00-2100		
						00-2236			
						00-2237			
					23-1		00-2100		
					23-2 23-4		00-2100 00-2100		
					23-4	00-2240	00-2100		
	25 SI 2A	One	2	2	25-26		99-2078		
					25-29		00-2084		*
	26 SI 2B	One	2	2	26-9		99-2320		
	40 PGP G	^	•	•	26-11		99-2320 <b>00-2088</b>		
	29 PZR Spray	One	2	2	29-10	00-2114	UU-2U00		
					29-11		00-2088		
						00-2117			
	31 PZR Safeties	One	1	1	31-1	00-2354	00-2089		
B 9.21 &	27 PZR Spray 1A	One	4	4	9-11		00-2102		
9.22					27-42 27-43		00-2102 00-2102		•
					27-43 27-44		00-2102		
	28 PZR Spray 1A	One	4	4	28-31		99-2213		
					28-32		99-2213		
					28-39		99-2213		
	00 1 PFP C	•	•	•	28-40	00 2525	99-2213		88-08 letter
	30 Aux PZR Spray	One	2	2	30-1	00-2529	00-2527		oo-vo letter
					30-2		00-2527		88-08 letter
					30-7		99-2076		
		_	•	2	30-13		99-2076		
	32 Drain 1A	One	3	3	8-18 32-1		99-2079 99-2079		
					32-1 32-2		99-2079		
Ŀ	36 Letdown	One	4	4	36-8		99-2191		
					36-9		99-2191		
					36-28		99-2180		
	05 G1 '	0	_	·	36-35		99-2180		
	37 Charging	One	5	5	37-41 37-42		99-2347 99-2347		•
					37-42 37-43		99-2347		
					37-45		99-2347		
					37-47		99-2347		
	39 HPSI A	One	2	2	39-1		99-2080		
					39-5		99-2080		

ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
B 9.21	40 HPSI B	One	3	3	40-1		00-2103		
& 9.22					40-2		00-2103		
					40-3		00-2103		
B9.31	6 RCS Piping	One	1	1	9-8	00-2330	00-2289		
						00-2331			
B 9.32	06 RCS Piping	One	1	1	8-17		99-2068		
	22 SD Cooling	One	1	1	22-7A		00-2203		
B 9.40	32 Drain 1A	One	1	1	32-6		99-2079		
	38 Drain 1A	One	1	1	38-5		00-2098		
B10.10	36 Letdown	One	1	1	RC91H5		99-2180		
		_			RC91H6		99-2180	00.0556	
B13.10	1 Reactor Vessel	One	100%		Access areas		00 2225	00-2556	
B14.10	2 Closure Head	One	2	2	2-9-76		00-2335		
		0	•	2	2-9-83		00-2335 00-2335		
		One	2	2	2-10-76 2-10-83		00-2335		
D454040	DOCEN'	0	ALL	ALL	2-10-85 PressBound		UU-4333	*	*RR#11 & 12
	RCS Piping	One	ALL	ALL	Pressbound			*	99-2410,99-2522,00-2001
B15.20								*	00-2042,00-2043,00-2047
B15.30								*	00-2077,00-2191,00-2150
B15.40								*	00-2213,00-2262,00-2512
B15.50								*	00-2564,00-2569,00-2573
B15.60	* 4 < D CD 4 4		1	1	Flywheel	00-2202			00-2304,00-2305,00-2313
BFLYWH	L16 RCP 1A	One	1 1	1	Flywheel	00-2202			
	17 RCP1B	One	1	1	Flywheel	00-2104			
	18 RCP 2A	One	1	1	Flywheel	00-2253			
E 1 10	19 RCP 2B	One One	2	2	RC28H1	00-2257		99-2151	
F 1.10	20 PZR Surge	One	2	2	RC28H2			99-2152	
	21 CD Casling A	One	7	7	RC51H1			00-2118	support deleted
	21 SD Cooling A	One	,	,	RC51H2			00-2119	
					RC51H3			00-2120	
					RC51H821			00-2121	
					SI240H10			99-2337	
					SI240H11			99-2338	
					SI240H13			99-2339	
	22 SD Cooling	One	4	4	RC68H5			00-2104	
					RC68H6			00-2105	support deleted
					SI193H17			00-2106	
					SI193H19			00-2107	support deleted
	23 SI 1A	One	2	2	SI207H3			00-2086	
					SI207H5			00-2087	support deleted
	24 SI 1B	One	2	2	SI223H3			99-2117	
					SI223H4			99-2523	support deleted
	25 SI 2A	One	2	2	SI156H7			99-2094	support deleted
					SI156H9			99-2099	
F 1.10	26 SI 2B	One	2	2	SI179H9			99-2524	support deleted
					SI179H11			99-2171	
	27 PZR Spray 1A	One	9	9	RC62H26			99-2153	
					RC62H27			99-2203	
					RC62H28			99-2155	
					RC62H29			99-2156	support deleted

APPENDIX A INSERVICE INSPECTION SUMMARY REPORT

ASME		Insp	Amt	Amt	T. TD	771	Reports Surf Visual	Damarka
Item no	Zone Comp/sys	per	Req	Comp	Item ID	Vol	Surf Visual	Remarks
					RC62H30		99-2157	
					RC62H31		99-2158	support deleted
					RC62H32		99-2159	
					RC62H33		99-2504	
					RC62H34		99-2160	support deleted
	28 PZR Spray 1B	One	8	8	RC17H24		99-2144	
					RC17H34		99-2145	
					RC17H36		99-2146	
					RC17H38		99-2147	
					RC17H39		99-2148	support deleted
					RC17H40		99-2149	annuant dalatad
					RC17H41		99-2150	support deleted
		•	•	•	RC17H42		99-2503 <b>00-2090</b>	
	29 PZR Spray	One	2	2	RC18H16 RC18H18		00-2091	
	22 Dec:- 1 A	Onc	2	2	RC18H18 RC60HA		99-2031	support deleted
	32 Drain 1A	One	4	Z	RC60HB		99-2031 99-2127	support deleted
	26 Latdorem	One	9	9	RC91H1		99-2204	support detered
	36 Letdown	Oile	7	J	RC91H1		99-2197	
					RC91H6		99-2255	`
					RC91HB		99-2206	support deleted
					RC91HD		99-2207	support deserve
					RC91HE		99-2199	support deleted
					RC91HY		99-2208	oupport according
					RC91HZ		99-2205	
					RC91HAA		99-2209	
					RC91HAK		99-2210	
	37 Charging	One	14	14	CH5H2		99-2376	support deleted
					CH5H3		99-2377	
					CH5H7		99-2378	Expansion
					CH5H13		99-2379	Expansion
					CH5H25		99-2110	
					CH5H26		99-2348	support deleted
					CH5H27		99-2349	
					CH5H28		99-2350	
					CH5H30		99-2351	
					CH5H34		99-2352	
					CH5H35		99-2353	
					CH5H36		99-2354	Deiget
					CH5H42		99-2111	Reject Re-exam
							99-2506 <b>00-2076</b>	Ke-exam
					CU51142		99-2380	support deleted
					CH5H43 CH5H44		99-2381	support defered
					СНЗН44 СН5НАА		99-2381	support deleted
F 1.10	39 HPSI A	One	4	4	SI248H26		99-2089	support deleted
r 1.10	A ILOI W	One	-	-	SI248H27		99-2088	papport aprotos
					SI248H28		99-2087	
					SI248H30		99-2092	`
					J.2 .01150		// <b>=</b> V/=	

## APPENDIX A INSERVICE INSPECTION SUMMARY REPORT

ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
	40 HPSI B	One	3	3	SI199H13 SI199H14 SI199H21			00-2108 00-2109 00-2110	support deleted
F 1.40	03 SG1	One	1	1	3-40			99-2224	
	05 Pressurizer	One	0	0	5-40			99-2225	
	16 RCP 1A	One	2	2	16-17			99-2448	
					16-18			99-2449	
	17 RCP 1B	One	2	2	1 <b>7-17</b>			99-2450	
					17-18			99-2451	
	18 RCP 2A	One	4	4	18-12			99-2452	
					18-13			99-2453	
					18-14			99-2454	
					18-15			99-2455	
	19 RCP 2B	One	4	4	19-12			99-2456	
					19-13			99-2457	
					19-14			99-2458	
					19-15			99-2459	, ,
C 1.10	41 SG 1	One	1(50)	1(504	%)41-3	00-2292			exam 180°-360°
						00-2293			
						00-2294			
						00-2295			0 0
			1(50%	6) 1(50	%)41-4	00-2279			exam 180°-360°
						00-2280			
						00-2281			
						00-2282			0 0
	69 Letdown HTEXCH	One	50%	50%	69-1	99-2436			exam 0°-180°
C 1.20	41 SG 1	One	1(509	6) 1(50	<b>%)41-5</b>	00-2230			exam 180°-360°
						00-2231			
						00-2232			
						00-2233			0 0
C 1.30	41 SG1	One	1(50%	6) 1(50°	%)41-1	99-2235			exam 0°-180°
						99-2236			
						99-2237			
						99-2238			0 0
	69 Letdown HTEXCH	One	50%	50%	69-2	99-2437			exam 0°-180°
C 2.21	41 SG 1	One	1	1	41-16		00-2336		
						00-2350			
	42 SG 2	One	1	1	42-16		00-2337		
						00-2352			0
C 3.10	41 SG 1	One	1	1	41-42		00-2176		270°
C 3.20	43 MS SG1 90	One	1	- 1	SG36H17		99-2325		
							00-2175		
	45 MS SG2 270	One	1	1	SG42H14		99-2326		
	54 FW SG1	One	0	0	SG2H1		99-2322		
	55 FW SG2	One	1	1	SG5H1		99-2323		
					SG5H9		00-2300		
							00-2311		
C 3.20	64 Blowdown SG 1	One	3	3	SG39H15		00-2078		
					SG39H17		00-2079		,
					SG53H1		00-2073		support deleted
			-						

APPENDIX A INSERVICE INSPECTION SUMMARY REPORT

ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
	65 Blodown SG 2	One	2	2	SG48H20		00-2080		
					SG52H1		00-2045		support deleted
	71 LPSI Discharge	One	1	1	SI87H11		99-2200		
	76 CS Suction	One	1	1	SI9H4		99-2214		96% covrg, Accept.
									per code case N490
	88 East Wrap	One	1	1	SI72H13		99-2398		
	89 East Wrap	One	1	1	SI194H14		99-2272		
	91 West Wrap	One	4	4	SI70H9		99-2178		
					SI70H11		99-2178		
					SI70H12		99-2178 99-2178		
	0.0 177 . 177	0	1	1	SI70H16		99-2179		
	92 West Wrap	One	1	1	SI241H21 SI369H1		99-2179		
	100 LPSI Suction	One	1 3	1 3	SI307H2		00-2305		
	102 SI Suction A	One	3	3	SI307H3		00-2378		
					SI307H15		00-2306		
	113 HPSI Discharge	One	1	1	SI107H22		00-2214		
C 3.30	72 LPSI Pump A	One	3	3	72-3A		99-2226		
C 3.30	72 LI 31 I dilip 71	One	5	J	72-3B		99-2226		
					72-3C		99-2226		
	116 HPSI A Pump	One	4	4	116-1A		00-2558		
					116-1B		00-2558		
					116-1C		00-2558		
					116-1D		00-2558		
C 4.40	47 MS SG 1	One	20	20	V170	00-2393			
	48 MS SG1	One	20	20	V180	00-2393			
C 5.11 & 5.12	63 Aux FW	One	1	1	63-4	00-2274	00-2039		
	70 & 73 LPSI Suction A & B	One	1	1	70-58	99-2314	99-2264		
	82 & 85 SD Cooling	One	2	2	72-50		99-2126		
	A & B				73-49		00-2153		
	83 & 86 SD Cooling	One	4	4	74-19		99-2022		
	A & B				74-21		99-2263		
					74-22		99-2263 99-2059		
	00 0 01 75-4 9-	One	6	6	74-105 74-44		99-2039		
	88 & 91 East & West Wrap	One	U	U	76-2		99-2178		
	west wrap				76-21		00-2224		•
						00-2308			
					77-7		00-2225		
					77-14		00-2226		
Ī						00-2307			
					78-16		99-2313		
	94 & 95 88' Pipe Cha	se One	1	1	74-40		00-2345		
C 5.11	96,97,98,99 LPSI Loo		3	3	78-45		99-2077		
& 5.11	1A,1B, 2A, 2B		=	-	78-47		99-2077		
	, ,,				79-23		00-2255		
						00-2310	}		
1									
						-			

ASME Item no	Zone Comp/sys		Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
	102 SI Suction A	One	1	1	84-12	00-2355 00-2356	00-2340		
	103 Refueling suction A	MOne	1	1	86-57	00-2430 00-2431	00-2346		:
	104 SI Suction B	One	1	1	85-46	00-2390 00-2391	00-2278		
	105 Refueling Suction	AOne	1	1	87-23	00-2040	00-2048		
C 5.21	106 & 107 HPSI	One	4	4	106-1	00-2485 00-2487	00-2263		
					106-21		00-2264		
					107-11	00-2432 00-2242 00-2243	00-2081		
					107-42	00-2514	00-2082		
	100 P 100 HDCT	Oma	2	2	109-4	00-2515	00-2396		
	108 & 109 HPSI	One	4	L	109-4		00-2395		
					107 -1	00-2488			
	110 & 111 HPSI	One	2	2	110-6	00-2291	00-2222		
					110-39		00-2223		
						00-2388			
	112 & 113 HPSI	One	3	3	112-1		00-2154		
					112-33 112-45		00-2154 00-2154		
	114 & 115 HPSI	One	1	1	115-13		00-2154		
C 5.30	107 HPSI	One	1	1	107-53		00-2092		×
C 5.41 &	82 & 85 SD Cooling	One	1	1	72-49A		99-2067		
5.42	A & B								
	88 & 91 East & West	One	1	1	74-102		99-2178		
	Wrap	^			42.0	00 2270	99-2312		
C 5.51 &		One	1	1 1	43-2 44-1		99-2312		
5.52	44 MS SG1 270	One One	1	1	46-25		99-2311		
	46 MS SG2 90 <b>54 FW SG 1</b>	One	1	1	54-41		00-2261	•	
	55 FW SG 2	One	2	2	55-1		00-2044		
	201111002				55-15	00-2075	00-2044		× .
	58 Aux & Dwncmr SG	One	1(5)	1(5)	41-39		99-2198		()Identifies augment
Į.					58-1		99-2198		EXAM(IEB 79-13 &
					58-12		99-2023		SER 83-07)
					58-13		99-2023		
					58-16		99-2023		
	<b>.</b>	20	0/5	0/6	58-16A		99-2023 99-2192		
	59 Aux & Dwncmr SG	2 One	0(5)	0(5)	59-1 59-12		99-2192		
I					59-12 59-13		99-2024		
					59-15 59-16		99-2025		•
					59-16A		99-2024		
	64 Blowdown SG1	One	1	1	64-30		00-2338		
	65 Blowdown SG2	One	1	1	65-28		00-2339		
C 6.10	116 & 117 HPSI	Interval		1	116-2		00-2557		

ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
C 7.10 C 7.30 C 7.50 C 7.70	Piping Systems	One	all	all	Press			* * * * *	*00-2041,00-2042,00-2138 00-2140,00-2141,00-2142 00-2143,00-2146,00-2147 00-2148,00-2149,00-2151 00-2157,00-2160,00-2161 00-2162,00-2163,00-2284 00-2285,00-2442,00-2494 00-2513,00-2547,00-2548 00-2549,00-2550,00-2555 00-2563,00-2564,00-2565 00-2566,00-2569,00-2570
F 1.20	43 MS SG1 90	One	3	3	SG36H17 SG36H884			00-2177 00-2178	00-2571,00-2572,00-2575
	44 MS SG1 270	One	2	2	SG36H885 SG33H17 SG33H18			00-2179 00-2180 00-2181	support deleted
	45 MS SG2 270	One	1	1	SG42H14			00-2182	support deleted
	46 MS SG2 90	One	2	2	SG45H17			00-2183	
					SG45H18			00-2551 00-2184 00-2552	support deleted
	47 MS SG1 270	One	1	1	SG206H1			99-2336	support ucicicu
	51 Atm Dump SG1	One	1	1	SG59H6			99-2090	
	53 Steam to Aux FW	One	4	4	SG81H1			99-2072	
	33 Steam to Itan X "		·		SG81H2 SG83H1			99-2073 99-2074	
	EA TOTAL COLL	One	7	7	SG83H2 SG2H4			99-2075 <b>00-2312</b>	
	54 FW SG1	One	,	,	SG2H4 SG2H5			00-2313	
					SG2H12			00-2562	
					SG2H13			00-2314	
					SG2H14			00-2315	
					SG2H15			00-2316	
					SG2H803			00-2540	
	55 FW SG2	One	9	9	SG5H9			00-2297	
					SG5H10			00-2298 00-2299	
					SG5H11			00-2299	
					SG5H12 SG5H805			00-2542	
					SG5H809			00-2545	
					SG5H812			00-2361	
					SG14H1			00-2543	
					SG14H804			00-2544	
	58 Aux & Dwncmr S	G10ne	7	7	SG8H2			00-2317	
					SG8H3			00-2318	
					SG8H4			00-2319	
					SG8H5			00-2320	
					SG8H20			00-2321	
		•			SG8H901 SG8H903			00-2437	
					3000703			UU-273	
						_			

ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
F 1.20	59 Aux & Dwmcmr SG	2One	6	6	AF6H1 SG11H4 SG11H8 SG11H9 SG11H10			99-2137 99-2507 99-2040 99-2041 99-2042	Expansion
					SG11H11			99-2043	Reject
					boillin			99-2508	Re-exam
					SG11H12			99-2044	
					SG11H16			99-2509	Expansion
	60 Dwncmr FW SG1	One	1	1	SG200H9			99-2086	•
	OO DWIICHII I W BOI	0.1.0	•	-	SG200H13			99-2521	PSE
					SG200H14			99-2483	PSE
	61 Dwncmr FW SG2	One	0	0	SG203H13			99-2519	PSE
	OI Difficult I ii Dou		_		SG203H14			99-2520	PSE
	62 Aux FW SG1	One	1	1	AF4H3			99-2136	
	63 Aux FW SG2	One	2	2	AF6H2			99-2138	,
	03 11411 11 5 0 2				AF16H1			99-2139	
	64 Blowdown SG1	One	12	12	SG39H10			00-2049	
•	<b>V. 2V 2</b>				SG39H11			00-2050	support deleted
					SG39H12			00-2051	
					SG39H13			00-2052	support deleted
i					SG39H14			00-2063	support deleted
					SG39H15			00-2064	
					SG39H16			00-2065	
					SG39H17			00-2053	support deleted
					SG39H26			00-2054	
					SG53H1			00-2071	support deleted
l.					SG53H2			00-2072	support deleted
					SG53H7			99-2161	support deleted
					SG53H924			00-2062	
	65 Blowdown SG 2	One	12	12	SG48H2			00-2066	support deleted
					SG48H3			00-2055	support deleted
					SG48H4			00-2056	
					SG48H19			00-2057	support deleted
Į.					SG48H20			00-2058	support deleted
					SG48H21			00-2059	
					SG48H925			00-2060	support deleted
					SG52H1			00-2067 00-2068	support deleted
					SG52H2			00-2069	support deleted support deleted
					SG52H3			00-2009	support defeted
L					SG52H4 SG52H923			00-2070	
1	50 1 DOI 0 4	0	1		SI67H4			99-2223	
	70 LPSI Suction A	One	1 1	1 1	SI87H11			99-2039	
	71 LPSI Discharge A	One One	1	1	S19H4			99-2195	
	76 CS Suction A	One	4	4	SI79H1			99-2169	•
	77 CS Discharge A	Olle	4	4	SI79H1			99-2101	
					SI79H3			99-2102	
					S179H3			99-2170	
					5177114			>> <b>2110</b>	

APPENDIX A

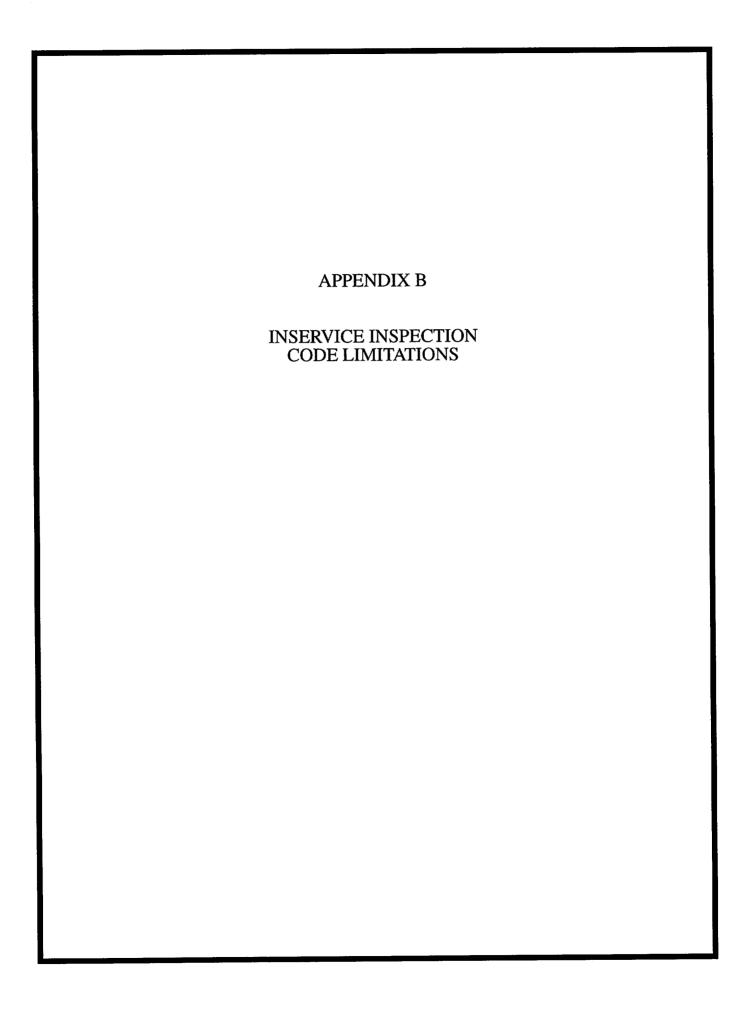
INSERVICE INSPECTION SUMMARY REPORT

ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
F 1.20	79 CS Suction B	One	3	3	SI34H1			99-2162	
1 2020	.,				SI34H2			99-2163	
					SI34H3			99-2164	
	80 CS Discharge B	One	3	3	SI119H7			99-2267	
					SI119H8			99-2262	·
					SI119H9			99-2268	
	82 SD Cooling A	One	2	2	SI78H5			99-2093	
					SI79H10			99-2096	
	83 SD Cooling A	One	4	4	SI87H9			99-2095	·
					SI89H1			99-2085	
					SI89H2			99-2098	
		_	•	•	SI89H3			99-2097 99-2185	
	85 SD Cooling B	One	3	3	SI119H10			99-2185	
					SI123H6			99-2180	
	ocan a l' D	0	2	2	SI123H7			99-2188	
	86 SD Cooling B	One	3	3	SI129H10 SI129H11			99-2189	
					SI129H11			99-2190	
					311291112			99-2530	N.
	88 East Wrap	One	8	8	SI72H11			99-2317	
	oo East Wrap	One	o	o o	SI72H13			99-2316	
					SI72H14			99-2315	
					SI72H21			00-2186	
					SI72H22			00-2187	
1					SI73H1			00-2188	
					S173H2			00-2189	
					SI73H3			00-2190	
	89 East Wrap	One	4	4	SI194H12			99-2275	
	1				SI194H13			99-2274	
					SI194H14			99-2273	
					SI194H23			99-2309	Reject
								99-2331	Re-exam
	91 West Wrap	One	7	7	SI70H9			99-2165	
l					SI70H10			99-2166	
l					SI70H11			99-2114	
l					SI70H12			99-2167 99-2115	
					SI70H13 SI70H15			99-2113	
					SI70H15			99-2116	
	92 West Wrap	One	5	5	SI239H3			99-2172	
	92 west wrap	Olic	3	,	SI241H12			99-2173	
					SI241H14			99-2174	
					SI241H15			99-2175	
					SI241H21			99-2176	
	94 LPSI A	One	3	3	SI89H7			99-2399	
	<u> </u>				SI89H8			99-2400	i
					SI89H9			99-2401	
	95 LPSI B	One	6	6	SI72H8			99-2402	
					SI72H10			99-2403	
					SI134H11			99-2404	
					SI134H12			99-2405	

ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
F 1.20					SI194H3			99-2406	support deleted
					SI194H5			99-2407	
					SI194H6			99-2408	Expansion
	96 LPSI to Loop 1A	One	3	3	SI202H7			99-2467	
	•				SI202H8			99-2468	support deleted
					SI202H9			99-2469	support deleted
	97 LPSI to Loop 1B	One	10	10	SI220H8			00-2438	
					SI220H9			99-2470	
					SI220H10			99-2471	
					SI220H11			99-2472	support deleted
					SI220H12			99-2473	
					SI220H13			99-2474	
					SI220H14			99-2475	support deleted
					SI220H15			99-2476	
					SI220H19			99-2480	ourment deleted
	00 I DOI 4. I 2 4	0	2	2	SI220H22			99-2481 99-2100	support deleted
	98 LPSI to Loop 2A	One	2	2	SI155H5 SI155H6			99-2100	
	100 I DOI A G	0	2	2	SI241H19			99-2340	
	100 LPSI A Suction	One	2	2	SI369H1			99-2341	
	101 LPSI B Suction	One	0	0	SI194H26			99-2443	Expansion
•	102 SI Suction A	One	6	6	SI307H2			00-2301	2. pariotori
	102 SI Suction A	One	Ū	Ū	SI307H3			00-2302	
					SI307H4			00-2303	support deleted
					SI307H5			00-2258	
					SI307H8			00-2257	
					SI307H15			00-2304	
	103 Refuel Suction A	One	6	6	CH142H13			99-2409	
					CH142H14			99-2411	
					CH142H15			99-2412	•
					CH142H19			99-2413	
					CH142H22			99-2414	
		_	-	-	CH424H1			99-2415	number deleted
	104 SI Suction B	One	7	7	SI33H1			99-2460	support deleted support deleted
					SI33H2 SI33H3			99-2461 99-2462	support deleted
					SI308H5			99-2463	
					SI308H8			99-2464	
					SI308H10			99-2465	support deleted
					SI308H11			99-2466	,
	105 Refuel Suction B	One	7	7	СН149Н9			00-2168	
					CH149H10			00-2169	
L					CH149H12			00-2170	
1					CH149H13			00-2171	
					СН149Н14			00-2172	
								00-2559	
					CH149H21			00-2173	
		_		_	CH149H28			00-2174	
	106 HPSI A	One	8	8	SI99H1			00-2265	v.
					SI99H2			00-2266 00-2267	
					SI100H1			UU-2207	

ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
F 1.20					SI100H2			00-2268	
					SI100H3			00-2269	
					SI100H5			00-2270	
					SI100H34			00-2271	
					SI106H1			00-2272	
	107 HPSI B	One	6	6	SI107H3			00-2093	
					SI107H11			00-2094	
					SI107H12			00-2095	
					SI112HC			00-2560	
					SI112HG			00-2561	
					SI112HH			00-2096	
	108 HPSI Discharge	One	11	11	SI100H22			99-2416	
					SI100H23			99-2417	
					SI100H24			99-2418	
					SI100H25			99-2419	
					SI100H26			99-2420	
					SI100H27			99-2421	
					SI100H28			99-2422	
					SI100H29			99-2423	
					SI100H31			99-2424	
					SI100H32			99-2425	
					SI100H35			99-2426	
	109 HPSI Dischrg	One	7	7	SI107H13			00-2422	
	<b>g</b>				SI107H14			00-2423	
					SI107H15			00-2474	
					SI107H16			00-2475	
					SI107H21			00-2424	
l					SI107H47			00-2439	
					SI107H50			00-2440	support voided
	110 HPSI Dischrg	One	7	7	SI103HB			00-2219	
					SI103HD			00-2220	
					SI103HE			00-2221	
1					SI218H1			00-2215	
					SI218H2			00-2216	
					SI218H3			00-2217	
					SI218H4			00-2218	
	111 HPSI Dischrg	One	3	3	SI100H37			00-2229	
					SI100HA			00-2228	
					SI100HB			00-2227	
	112 HPSI Dischrg	One	3	3	SI176H1			00-2155	
					SI176H2			00-2443	
		_	_	_	SI176H3			00-2156	
	113 HPSI Discharge	One	5	5	SI107H22			00-2204	
					SI107H24			00-2205	
					SI157H2			00-2206	
					SI157H3			00-2207 00-2208	
7.6.40	44 00 4	0	^	2	SI157H4			00-2208	
F 1.40	41 SG 1	One	2	2	41-41			00-2323	
					41-42			00-2323	
								00-2103	

ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
F 1.40	72 LPSI PUMP A	One	3	3	72-3A			99-2482	
					72-3B			99-2482	
					72-3C			99-2482	
	116 HPSI A Pump	One	4	4	116-1A			00-2554	
	_				116-1B			00-2554	
					116-1C			00-2554	
					116-1D			00-2554	



#### REFUELING OUTAGE NUMBER NINE

#### **CODE LIMITATIONS**

ASME ITEM	<b>ZONE/COMPONENT</b>	<u>ITEM ID</u>	REPORT #
C 3.20	113 HPSI Discharge	2SI107H22	00-2214

#### **LIMITATION**

The welded attachment was inside wall penetration making 1 lug entirely inaccessible. 46% coverage.

<b>ASME ITEM</b>	<b>ZONE/COMPONENT</b>	ITEM ID	<u>REPORT #</u>
C 3.30	116 HPSI Pump A	116-1B	00-2558
		116-1C	00-2558

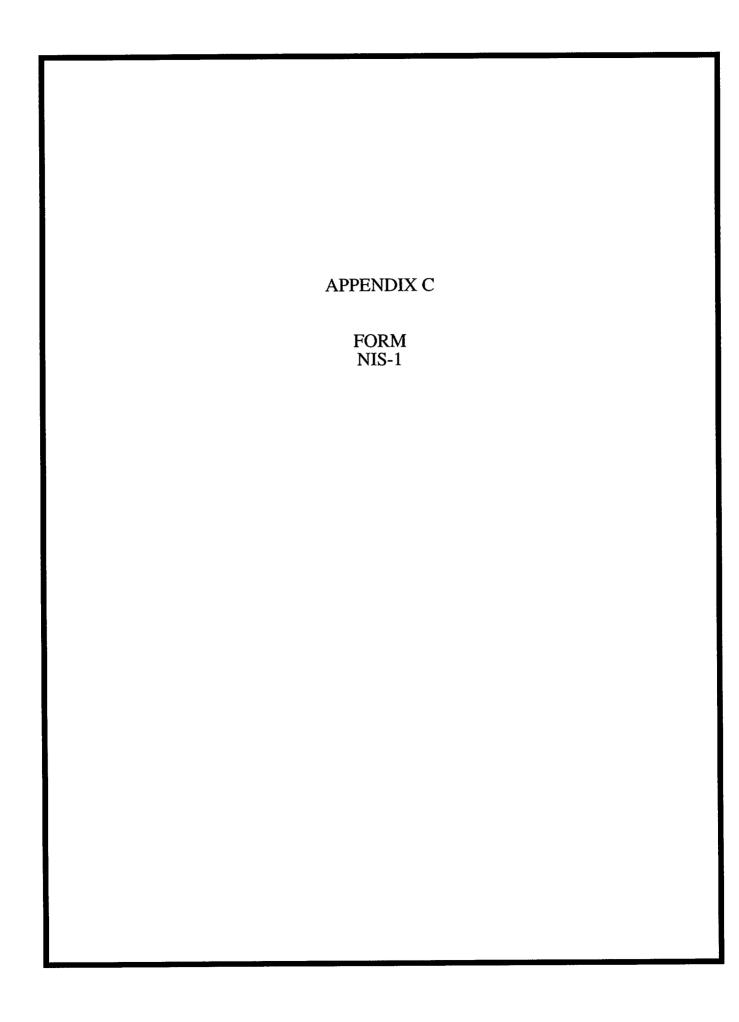
#### **LIMITATION**

The bottom side of these attachments were inaccessible due to pump support configuration. 72% coverage of each support.

ASME ITEM	<b>ZONE/COMPONENT</b>	<u>ITEM ID</u>	REPORT #
B 9.11	22 SD Cooling B	22-11	00-2244,00-2245
	23 SI 1A	23-4	00-2240,00-2241
C 5.11	63 Aux Feedwater	63-4	00-2273,00-2274
	91 West Wrap	77-7	00-2326,00-2327
	91 West Wrap	77-14	00-2260,00-2307,00-2325
	102 SI Suction A	84-12	00-2325,00-2326
	104 SI Suction B	85-46	00-2390,00-2391
C 5.21	106 HPSI A	106-1	00-2485,00-2487
	106 HPSI A	106-21	00-2481,00-2482
	107 HPSI Discharge	107-11	00-2242,00-2243
	115 HPSI Loop 2A & 2B	115-13	00-2334,00-2389

#### **LIMITATION**

Single sided austenitic examinations estimated at 50% coverage based on Appendix VIII PDI demonstration.



**APS** 

**APPURTENANCE** 

#### **NIS-1 FORM**

#### OWNERS' DATA REPORT FOR INSERVICE INSPECTIONS

1. O'	WNER	ARIZONA PUBLIC SERVI	CE COMPANY, ET Al	L	
Al	DDRESS	P.O. BOX 52034 PHOENIX	, ARIZONA		
2. PI	LANT	PALO VERDE NUCLEAR	GENERATING STATI	ON	
Al	DDRESS	5801 S WINTERSBURG RI	TONOPAH, ARIZO	NA	
3. UI	NIT NUMBER:	2			
4. O'	WNERS' CERT	IFICATE OF AUTHORIZATION	ON		
5. Co	OMMERCIAL S	SERVICE DATE: September	19, 1986		
6. C0	OMPONENTS I	NSPECTED:			
COMPONE APPURTEN		MANUFACTURER OR INSTALLER	SERIAL NUMBER	STATE OR PROVINCE	NATIONAL BOARD NO

THE ITEMS EXAMINED, WITH EXAMINATION REPORT NUMBERS, ARE LISTED IN APPENDIX A. ALL OF THE EXAMINATION REPORT NUMBERS FOR THE NINTH REFUELING ARE NUMBERED WITH A 00-2XXX REPORT NUMBER AND ARE IN BOLD PRINT.

#### APS

#### NIS-1 BACK

#### OWNERS' DATA REPORT FOR INSERVICE INSPECTIONS

7. EXAM DATES 9-21-00 TO 11-5
-------------------------------

- 8. INSPECTION INTERVAL FROM 3-18-97 TO 3/17/07
- 9. ABSTRACT OF EXAMINATIONS. INCLUDE A LIST OF EXAMINATIONS AND A STATEMENT CONCERNING STATUS OF WORK REQUIRED FOR CURRENT INTERVAL.

THE ITEMS EXAMINED, WITH EXAMINATION REPORT NUMBERS, ARE LISTED IN APPENDIX A. THE EXAMINATIONS ARE LISTED BY ASME ITEM NUMBERS WITH CORRESPONDING EXAMINATION REPORT NUMBERS. ALL OF THE EXAMINATION REPORT NUMBERS FOR THE NINTH REFUELING ARE NUMBERED WITH A 00-2XXX REPORT NUMBER AND ARE IN BOLD PRINT.

#### 10. ABSTRACT OF CONDITIONS NOTED

THERE ARE NO OUTSTANDING REJECTABLE ITEMS IN UNIT 2.THE REJECTABLE ITEMS DURING THIS OUTAGE CONSISTED OF 5 ITEMS. THREE REJECTED CLASS I BOLTED CONNECTIONS WHERE LEAKAGE WAS DETECTED. TWO NOZZLES WERE REJECTED DUE TO EVIDENCE OF LEAKAGE FOUND AS AN AUGMENTED VISUAL EXAMINATION AND NOT AS A RESULT OF AN ISI EXAMINATION. THE REJECTED COMPONENTS ARE LISTED IN SECTION 7.0 REPAIRS AND REPLACEMENTS OF THIS REPORT.

#### 11. ABSTRACT OF CORRECTIVE MEASURES RECOMMENDED AND TAKEN

THE REJECTED CLASS I BOLTED CONNECTIONS WERE DISASSEMBLED BY A WORK ORDER AND RE-EXAMINED. ONE COMPONENT WAS EVALUATED AS ACCEPTABLE PER RELIEF REQUEST NUMBER 11 AND 12 WITH NO REWORK.

THE REJECTED NOZZLES WERE REPAIRED AND REEXAMINED UNDER SEPARATE WORK ORDERS WITH THEIR OWN NIS-2 FORMS.

SEVERAL REPAIRS AND REPLACEMENTS HAVE BEEN PERFORMED SINCE COMMERCIAL OPERATIONS DUE TO ROUTINE AND CORRECTIVE MAINTENANCE. WORK WAS PERFORMED IN ACCORDANCE WITH ASME SECTION XI AND APS WORK CONTROL PROCEDURES. ALL DOCUMENTS ARE MAINTAINED AT PALO VERDE.

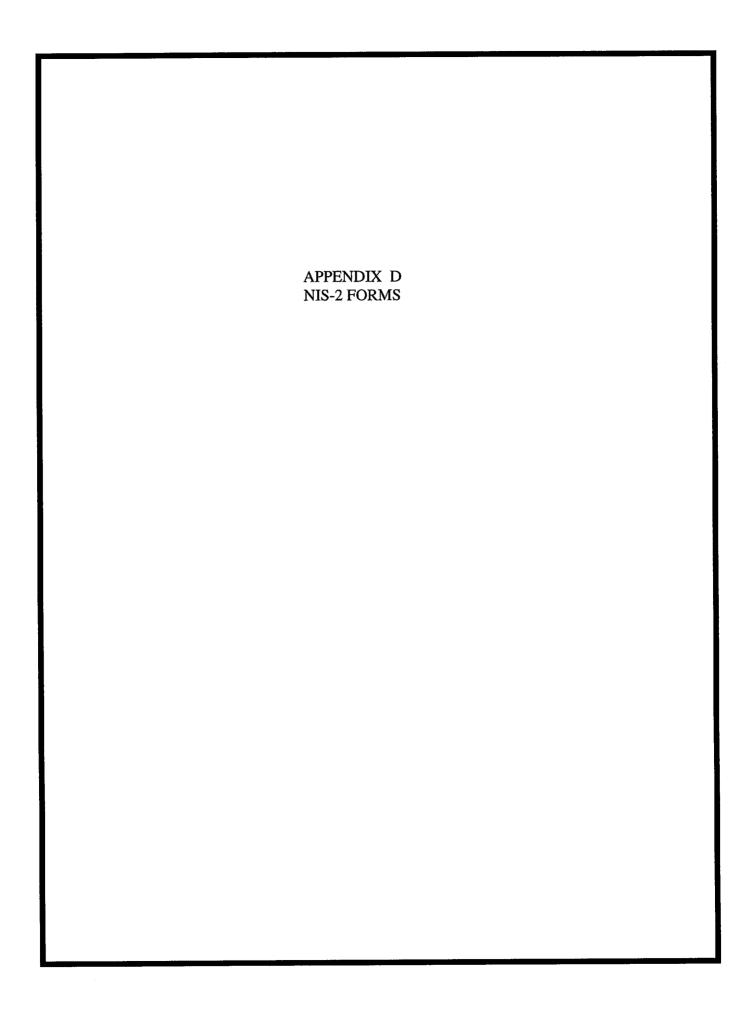
WE CERTIFY THAT THE STATEMENTS MADE IN THIS REPORT ARE CORRECT AND THE EXAMINATIONS AND CORRECTIVE MEASURES TAKEN CONFORM TO THE RULES OF THE ASME CODE, SECTION XI.

DATE 0/02/01 SIGNED: ARIZONA PUBLIC SERVICE COMPANY BY Multiple Mellen

#### CERTIFICATE OF INSERVICE INSPECTION

I, THE UNDERSIGNED, HOLDING A VALID COMMISSION ISSUED BY THE NATIONAL BOARD OF BOILER AND PRESSURE VESSEL INSPECTORS AND THE STATE OR PROVINCE OF ARIZONA EMPLOYED BY HSBI & I CO. OF HARTFORD, CONNECTICUT HAVE INSPECTED THE COMPONENTS DESCRIBED IN THIS OWNERS REPORT DURING THE PERIOD 10-10-5-00 TO 11-5-00 AND STATE THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE OWNER HAS PERFORMED EXAMINATIONS AND TAKEN CORRECTIVE MEASURES DESCRIBED IN THIS OWNERS REPORT IN ACCORDANCE WITH THE REQUIREMENTS 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 REPORT. FURTHERMORE, NEITHER THE INSPECTOR NOR HIS EMPLOYER SHALL BE 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	Tas.	Tystion		_COMMISSIONS	ಎರಿ	968!	5 "A"	×ι"	Ąz	264
		V		NAT'	L BO	ARD,	STATE,	PRO	IVC	NCE
DATE JANUARY	2,200	l								



ASME SECTION XI - REPAIR/REPLACEMENT								
1. Component ID 2MI	RCEB14	· · · · · · · · · · · · · · · · · · ·	ass ASME Section III, C	Class 1				
3. Item Description REACTOR COOLANT SYSTEM PRESSURIZER HEATER								
4. N-5 Package Number <u>2RC01-1A</u> 5. W.O. Number <u>211318</u>								
6. Original Construction	Code Edition ASME S	ection III, Class 1, 1971 I	Edition, Winter 1973 Ad	denda				
7. Original Installation (	Code Edition <u>ASME Sec</u>	tion III, Class 1, 1974 Ed	lition, Winter 1975 Adde	enda				
8. Work Description Replace Defective Pressurizer Heater, Make Fillet Weld between Pressurizer Nozzle and new								
Heater Sleeve.								
			>*/A					
9. 🔲 ISI Flaw	NDE Me	ethod of Flaw Detection						
	n tin til til same	Report Number N/						
10. Evaluation of the su	itability of this work as pe	header Eile	d. No failure	in ASMB				
Dressure	retaining bou	rdary PPPns	(but) 8/31/60					
	A Wark Organization AF	) S						
11. Repair/Replacemer	it Work Organization <u>AF</u> Construction or reconciled	Code/Edition ASME Se	ec III CL1/'71 Edition '71	RFI S/31/60 Winter Addenda				
12. Replacement Item (	construction or reconciled	do/Edition ASME Sec	III Class 1 /'74 Edition	75 Winter Addenda				
	t Activity Construction Co			70 11 11101 11000110				
14. ASME Section XI Code/Edition ASME Section III, Class 1, 1992 Edition, 1992 Addenda								
15. Preservice Inspection Required.  N/A  If required, include a step in the W.O. to perform Preservice Inspection.								
N/A   Date	ir required, include	a step in the w.o. to per	101111 10001 1100 III.0pee.					
16. ASME Section XI P	16. ASME Section XI Pressure Test Required YES V NO							
N/A If required, include a step in the W.O. for ISI & ANII Inspection.								
Initial Date 8/31/60 17. Include a step in the W.O. to complete NIS-2 Form prior to releasing the component.								
Initial Date Park 18. Include a step in the W.O. to record below all applicable numbers for repaired or								
Initial Date	replaced items PART NO.	SERIAL NO.	HEAT NO.	MR/ROS NO.				
Heater	44450049	7K		452693				
19. Planner Karl V. Savage								
19. Flames Signature Date								
20. ISI Engineer Signature Signature Print Name Ramakant P. Indap								
21. ANII Strong Strong Print Name Robert G. Hogstrom								
I	(   Signature	Date						

PV-E0093 Ver. 5

73DP-9ZZ17

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS  As Required by the Provisions of the ASME Code Section XI										
1. Owner <u>Arizona Public Service Company</u> , et. al.					Date		09/05/00			
P.O. Box 53999, Phoenix, Arizona 85072-2034					Sheet	1	of			
2. Plant Palo Verde Nuclear Generating Station					Unit		2			
5801 S. Wintersburg Rd., Tonopah, Arizona 85354-7529 Address						211318  Work Order Number				
3. Work Performed by Arizona Public Service Company										
			0.50.54.5		Authorization No. N/A					
5801 S.	Wintersburg Rd. T	onopah Arizor ddress	na, 85354-7	1529	Expiratio	n Date	19/2	<b>-1</b>		
4. Identification of Sy	stem RC, ASM	E Section III,	Class 1							
5. (a) Applicable Cor	nstruction Code Secti	on III, Class 1	19 <u>71</u> 8	Edition,	<u>W/'73</u>	Adde	nda,	Code Case		
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 92 Edition, 1992 Addenda										
6. Identification of Components Repaired or Replaced and Replacement Components										
Name of Item	Name of Manufacturer	Manufacturer Serial No.	National Board No.	O Ident	ther ification	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)		
Heater	Watlow	7K	NA				Replacement	,>0		
7. Description of Work Replace Defective Pressurizer Heater, Make Fillet Weld between Pzr Nozzle and Ht										
8. Test Conducted:	Hydrostatic 🔲 F	Pneumatic 🔲	Nominal Op	erating	Pressure		Exempt 🗹	N-416-1 🔲		
	Other 🔲	Pressure	psi			Test T	emp	°F		
NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 x 11 in., (2) information in items 1 through 6 on this 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.										

73DP-9ZZ17

CERTIFICATE OF COMPLIANCE
CERTIFICATE OF COMPLIANCE
CERTIFICATE OF COMPLIANCE
OLITH IOME C. Semi
that the statements made in the report are correct and this replacement conforms to the rule ME Code, Section XI.
e Symbol Stamp NA
e of Authorization No. NA Expiration Date
Twee Solution ISI Engineer Date 10-22-80  Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
ersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vesses and the State or Province of <u>Arizona</u> and employed by <u>HSBI &amp; I CO</u> .  Interford, Connecticut, have inspected the components described in this Owner's Report during to 10-22-00, and state that to the best of my knowledge and Owner has performed examinations and taken corrective measures described in this Owner's accordance with the requirements of the ASME Code, Section XI.
g this certificate, neither the Inspector nor his employer makes any warranty, expressed or impliing the examinations and corrective measures described in this Owner's Report. Furthermore, he Inspector nor his employer shall be liable in any manner for any personal injury or property or a loss of any kind arising from or connected with this inspection.
Commissions NB 9685 "N" "I" AZ 264  National Board, State, Province, and Endorsements
ng ne l

ASME SECTION XI - REPAIR/REPLACEMENT									
1. Component ID 2JS	IBUV0668	2. Code C	lass ASME SECTION	III CL2					
3. Item Description 2 INCH GLOBE VALVE ( BORG-WARNER )									
4. N-5 Package Number 2SI09-3 5. W.O. Number 218846									
6. Original Construction	n Code Edition 1974 EI	DITION & 1975 WINTER	R ADDENDA						
		TION & 1975 WINTER							
8. Work Description INSTALL RISING NON-ROTATING STEM IAW DMWO 218845. REMOVE ORIGINAL VALVE INTERNALS AND INSTALL STEM-MOD-KIT. BORG-WARNER VALVE BODY S/N 49610 BLT 1979, IS RE-USED.									
9. ISI Flaw	9. ISI Flaw NDE Method of Flaw Detection								
		Report Number							
NO FAILURE IN BEING INSTALL	ASME CODE BOUNDA	er the requirements of IA ARY. NEW OPERATOR RGIN AND MINIMIZE DMWO 218845 FOR M	AND NON-ROTATIN MAINTENANCE COS	G STEM ARE TS. ( THE SMC-04					
•	nt Work Organization A								
12. Replacement Item	Construction or reconcile	d Code/Edition 1974 ED	ITION & 1975 WINTE	R ADDENDA					
13. Repair/Replacemen	nt Activity Construction C	ode/Edition 1974 EDITI	<u>ON &amp; 1975 WINTER A</u>	DDENDA					
14. ASME Section XI C	ode/Edition 1992 EDIT	ION & 1992 ADDENDA	<u> </u>						
15. Preservice Inspect		<b>—</b>	ES NO	tion					
Jeon 9/13/10 If required, include a step in the W.O. to perform Preservice Inspection.									
16. ASME Section XI P	ressure Test Required	<b>☑</b> Y	ES 🔲 NO						
120 9/13/00 If required, include a step in the W.O. for ISI & ANII Inspection.									
Date 9/(3/00 17. Include a step in the W.O. to complete NIS-2 Form prior to releasing the component.									
Initial Date 9/13/00 18. Include a step in the W.O. to record below all applicable numbers for repaired or replacement items.									
ITEM I.D.	PART NO.	SERIAL NO.	HEAT NO.	MR/ROS NO.					
BONNET	2000372	331624	36938	00222821-0001					
DISC	2000367	-321975 S/N 172	M873E	00222821-0001					
		321976C S/N	<u>~72</u>						
19. Planner & Osmunda 9/13/00 Print Name CHARLES J. LARSON									
20. ISI Engineer Print Name Print Name Print Name									
21. ANII Proton 9-29-00 Print Name R. Ce. HOKSTROM									
	Signature	Date		<u> </u>					

#### FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI 1. Owner Arizona Public Service Company, et. al. Date 09/01/00 P.O. Box 53999, Phoenix, Arizona 85072-2034 Sheet 1 of 2 2. Plant Palo Verde Nuclear Generating Station \_\_\_\_\_ Unit \_\_\_\_\_ 5801 S. Wintersburg Rd., Tonopah, Arizona 85354-7529 218846 Work Order Number Type Code Symbol Stamp None 3. Work Performed by APS N/A Authorization No. \_\_\_\_\_ Expiration Date \_\_\_\_\_ N/A SAME AS ABOVE (ITEM #2) SI ASME CL II 4. Identification of System 5. (a) Applicable Construction Code SECTION III CL2 19 74 Edition, 75W Addenda, Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 92 Edition, 1992 Addenda 6. Identification of Components Repaired or Replaced and Replacement Components ASME Code Repaired Year Manufacturer National Other Name of Stamped Name of or Board No. Identification Built Serial No. Manufacturer Replacement (Yes or No) Item Replacement Yes 2jsibuv0668 97 331624 N/A **BONNET** BORG-WARNER 97 Replacement No 2jsibuv0668 N/A S/N 172 BORG-WARNER DISC ...

	}					
7. Description of Wo	rk REPLACE B	ONNET AND I	DISC IAW I	OMWO 218845		
8. Test Conducted:	Hydrostatic	Pneumatic 🔲	Nominal Ope	erating Pressure	Exempt 🔲	N-416-1 🔲
,	Other 🔲	Pressure	psi	Test 1	Гетр	°F
					turat (d) pipo io	. 0. 1/2 v 11 in

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 x 11 in., (2) information in items 1 through 6 on this 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	-2 (E	Back	)
.0046	DICTALL	over (	MOD W	TT AND	SMD

Remarks	UNDER DIWO 218846, INSTA 218845. THIS REMOVES THE	ORIGINAL VALVE	INTERNALS AN	ND INSTALLS A NE
	STEM & DISC ASSEMBLY, BO	ONNET & YOKE. B	ODY TO BONNE	ET IS SEAL WELDE
	BORG-WARNER VALVE BOL	DY S/N 49610, BLT	979, IS RE-USEI	J
	CERTIF	ICATE OF COMP	LIANCE	
	fy that the statements made in the SME Code, Section XI.	e report are correct an	d this replaceme	ent conforms to the rement
	ode Symbol Stamp	• •		
Certifical	te of Authorization No.	N/A	Expiration	Date <u>NA</u>
Signed	te of Authorization No.  Slan Morrow  Owner or Owner	Sr ISI Engl	neer	Date 10/23/00
Jigined_	Owner or Owner	er's Designee, Title		<del></del>
		E OF INSERVICE		
I the uni	CERTIFICAT	E OF INSERVICE	INSPECTION	oiler and Pressure Ve
I, the und	CERTIFICAT  dersigned, holding a valid commisurs and the State or Province of	E OF INSERVICE sion issued by the Na Arizona and emplo	INSPECTION  Itional Board of Bo  yed by  Its described in the	oiler and Pressure Ve HSBI & I CO. is Owner's Report dur
I, the und	dersigned, holding a valid commisers and the State or Province of artford, Connecticut, have insected as 22-22-20 to 19	E OF INSERVICE sion issued by the Na Arizona and emplo spected the componer	tional Board of Boyed byits described in the state that to the bo	oiler and Pressure Ver HSBI & I CO. is Owner's Report dur est of my knowledge a
I, the und Inspecto of <u>Ha</u> the period belief, th	CERTIFICAT  dersigned, holding a valid commisurs and the State or Province ofartford, Connecticut, have insolda-2a-∞to	E OF INSERVICE sion issued by the Na Arizona and emplo spected the componer -24-00 , and ions and taken correct	INSPECTION  Itional Board of Bo yed by Its described in the state that to the believe measures described described described in the state that to the believe measures described in the state that to the believe measures described in the state that to the believe measures described in the state that to the believe measures described in the state that the state of	oiler and Pressure Ver HSBI & I CO. is Owner's Report dur est of my knowledge a
I, the und Inspecto of <u>Ha</u> the period belief, th	dersigned, holding a valid commisers and the State or Province of artford, Connecticut, have insected as 22-22-20 to 19	E OF INSERVICE sion issued by the Na Arizona and emplo spected the componer -24-00 , and ions and taken correct	INSPECTION  Itional Board of Bo  yed by  Its described in the state that to the belive measures described described described in the state that to the belive measures described.	oiler and Pressure Ver HSBI & I CO. is Owner's Report dur est of my knowledge a
I, the und Inspecto of Ha the period belief, the Report in Concernineither the second	CERTIFICAT  dersigned, holding a valid commissors and the State or Province ofattford, Connecticut, have insolea-2a-∞ to	E OF INSERVICE sion issued by the Na Arizona and emplo spected the componer	INSPECTION  Itional Board of Boyed by Its described in the state that to the bottive measures described in the section XI.  It makes any warrand in this Owner's Finner for any personal process.	biler and Pressure Ver HSBI & I CO. is Owner's Report dur est of my knowledge a scribed in this Owner's anty, expressed or import.
I, the und Inspecto of Ha the period belief, the Report in Concernineither the second	CERTIFICAT  dersigned, holding a valid commissors and the State or Province ofa  artford, Connecticut, have insolda-2a-∞ too  ne Owner has performed examination accordance with the requirement  and this certificate, neither the Inspection the examinations and corrective	E OF INSERVICE sion issued by the Na Arizona and emplo spected the componer	INSPECTION  Itional Board of Boyed by Its described in the state that to the bottive measures described in the section XI.  It makes any warrand in this Owner's Finner for any personal process.	biler and Pressure Ver HSBI & I CO. is Owner's Report dur est of my knowledge a scribed in this Owner's anty, expressed or image
I, the und Inspecto of <u>Ha</u> the period belief, th Report in By signific concerning the relationships the relationships damage	CERTIFICAT  dersigned, holding a valid commissors and the State or Province ofattford, Connecticut, have insolda-2a-∞toone Owner has performed examination accordance with the requirement of the control of the examinations and corrective the Inspector nor his employer shall or a loss of any kind arising from the control of the cont	sion issued by the Na Arizona and emplor pected the componer and ions and taken corrects of the ASME Code, ector nor his employed re measures describe all be liable in any mar or connected with this	INSPECTION  Itional Board of Boyed by Its described in this state that to the bottive measures described in this Owner's for any persons inspection.	biler and Pressure Vesting HSBI & I CO. is Owner's Report durest of my knowledge a scribed in this Owner's anty, expressed or impressed or impressed in the control of the
I, the und Inspecto of Ha the period belief, the Report in concerning the results of the theorem in the results of the theorem in the results of the theorem in the results of the results	CERTIFICAT  dersigned, holding a valid commissors and the State or Province ofattford, Connecticut, have insolda-2a-∞ to	sion issued by the Na Arizona and emplor pected the componer and ions and taken corrects of the ASME Code, ector nor his employed re measures describe all be liable in any mar or connected with this	INSPECTION  Itional Board of Boyed by Its described in this state that to the bottive measures described in this Owner's for any persons inspection.	biler and Pressure Ver HSBI & I CO. is Owner's Report dur est of my knowledge a scribed in this Owner's anty, expressed or image
I, the und Inspecto of Ha the period belief, the Report in concerning the results of the theorem in the results of the theorem in the results of the theorem in the results of the results	CERTIFICAT  dersigned, holding a valid commissors and the State or Province ofattford, Connecticut, have insolea-2a-∞ to	sion issued by the Na Arizona and emplor pected the componer and ions and taken corrects of the ASME Code, ector nor his employed re measures describe all be liable in any mar or connected with this	INSPECTION  Itional Board of Boyed by Its described in this state that to the bottive measures described in this Owner's for any persons inspection.	biler and Pressure Vesting HSBI & I CO. is Owner's Report durest of my knowledge a scribed in this Owner's anty, expressed or impressed or impressed in the control of the

	ASIVIE SECTIV	UN XI - REPAIR/F	TEPEACEMENT	
1. Component ID 2JSI			ass ASME SECTION I	II CL2
3. Item Description 2 I	NCH GLOBE VALVE (	BORG-WARNER)		
4. N-5 Package Number		5. W.O. Nu	mber <u>218847</u>	
6. Original Construction	Code Edition 1974 ED	ITION & 1975 WINTER	ADDENDA	
		TION & 1975 WINTER		
9 Work Description IN	ISTALL RISING NON-I	ROTATING STEM IAW	DMWO 218845. REMO	OVE ORIGINAL
V.	ALVE INTERNALS AN N 53072 BLT 1979, IS R	D INSTALL STEM-MO	D-KIT. BORG-WARNI	ER VALVE BODY
<u>5/</u>	N 33072 DET 1979, 15 B	<u> </u>		
9. 🔲 ISI Flaw	NDE M	ethod of Flaw Detection		
		Report Number		
10. Evaluation of the su	itability of this work as pe	er the requirements of IA	W-4150.	
NO FAILURE IN	ASME CODE BOUNDA	RY NEW OPERATOR	AND NON-ROTATING	G STEM ARE
BEING INSTALL	ED TO INCREASE MA	RGIN AND MINIMIZE	MAINTENANCE COS	rs. (The SMC-04
OPERATOR IS O	BSOLETE) REFER TO	DMWO 218845 FOR M	ORE INFO.	
44 Parair/Parlacemen	t Work Organization AI	PS		
			TION & 1075 WINTER	ADDENDA
		d Code/Edition 1974 ED		
13. Repair/Replacemen	t Activity Construction Co	ode/Edition 1974 EDITIO	ON & 1975 WINTER A	DDENDA
14. ASME Section XI C	ode/Edition 1992 EDIT	ION & 1992 ADDENDA		<del></del>
15. Preservice Inspecti			ES 🖸 NO	•
LEO 9/13/	00 If required, include	a step in the W.O. to pe	rform Preservice Inspect	tion.
		<b>☑</b> Y		
16. ASME Section XI P	ressure rest nequired	_		
Initial Date	7 ir required, include	a step in the W.O. for IS	NIC O Form prior to rolor	noing the component
10 9/1.3/ Initial Dave	OO 17. Include a step	in the W.O. to complete	NIS-2 Form prior to relea	asing the component
## 9/13/ Initial 9/13/	no 18. Include a step replacement it	in the W.O. to record beltems.	low all applicable numbe	rs for repaired or
ITEM I.D.	PART NO.	SERIAL NO.	HEAT NO.	MR/ROS NO.
BONNET	2000372	322813A S/N 18	8656124	00171372-0001
DISC	2000367	_321976@S/N-202	M872C	00171372-0001
		321976B 5/201		
				<del>)</del>
,				
19. Planner	Signature	9/13/00 Print N	Name <u>CHARLES J. LAI</u>	RSON
20. ISI Engineer	Signature OaP	9/24/00 Print 1	vame R. P.	INDAP
ZU. ISI ETIYITEEI	Signature	Date	Name R.C. Hows	
21. ANII	Signature Signature	9-29-∞ Print N Date	Name K.C. Hous	KOM

#### FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI 1. Owner Arizona Public Service Company, et. al. Date 09/01/00 P.O. Box 53999, Phoenix, Arizona 85072-2034 Sheet 1 of 2 \_\_\_\_\_ Unit \_\_\_\_\_ 2. Plant Palo Verde Nuclear Generating Station 5801 S. Wintersburg Rd., Tonopah, Arizona 85354-7529 Address Name 218847 Work Order Number Type Code Symbol Stamp 3. Work Performed by APS Authorization No. N/A SAME AS ABOVE ( ITEM #2 ) Expiration Date \_\_\_\_\_N/A SI ASME CL II 4. Identification of System 5. (a) Applicable Construction Code SECTION III CL2 19 74 Edition, 75W Addenda, \_\_\_\_\_ Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 92 Edition, 1992 Addenda 6. Identification of Components Repaired or Replaced and Replacement Components ASME Code Repaired Year Other Manufacturer National Stamped Name of Name of Board No. Identification Built Replacement (Yes or No) Serial No. Manufacturer Item Yes 97 Replacement N/A 2isibuv0665 S/N 18 BONNET BORG-WARNER No 2jsibuv0665 97 Replacement N/A S/N 202 BORG-WARNER DISC " 7. Description of Work REPLACE BONNET AND DISC IAW DMWO 218845 8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure N-416-1 🔲 Exempt [ Test Temp. \_\_\_\_\_°F Other 🔲 Pressure \_\_\_\_\_ psi NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 x 11 in., (2) information in items 1 through 6 on this 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-2 (Back)	
). Remark	UNDER DIWO 218847, INSTALL STEM-MOD-KIT AND SMB-00 OPERATOR IAV 218845. THIS REMOVES THE ORIGINAL VALVE INTERNALS AND INSTALLS STEM & DISC ASSEMBLY, BONNET & YOKE. BODY TO BONNET IS SEAL WE BORG-WARNER VALVE BODY S/N 53072, BLT 1979, IS RE-USED.	ANEW
	CERTIFICATE OF COMPLIANCE	
	ertify that the statements made in the report are correct and this replacement conforms to ASME Code, Section XI.	the rules
Cantific	Code Symbol Stamp  N/A  icate of Authorization No.  N/A  Expiration Date  ad  Owner or Owner's Designee, Title	3/00
Signed	Owner or Owner's Designee, Title	

CERTIFICA	TE OF INSERVICE INSPECTION
Inspectors and the State or Province of of <u>Hartford, Connecticut</u> , have in the period 9-29-00 to	nission issued by the National Board of Boiler and Pressure Vessel Arizona and employed by HSBI & I CO. Inspected the components described in this Owner's Report during ations and taken corrective measures described in this Owner's ents of the ASME Code, Section XI.
concerning the examinations and correc	spector nor his employer makes any warranty, expressed or implied, tive measures described in this Owner's Report. Furthermore, hall be liable in any manner for any personal injury or property or connected with this inspection.
Lat L Agettom  Apspector's Signature	Commissions NB 9685 "N" "1" Az. 264  National Board, State, Province, and Endorsements
Date October 24,2000	_

ASME SECTION XI - REPAIR/REPLACEMENT						
1. Component ID 2JI	RCEPSV0200	2. Code C	lass 1			
3. Item Description P	3. Item Description PRESSURIZER SAFETY RELIEF VALVE					
4. N-5 Package Numb	er <u>2RC03-2</u>	5. W.O. N	umber <u>W.O. 231241</u>			
6. Original Construction	on Code Edition 1974 EI	DITION '75 SUMMER A	DDENDA			
7. Original Installation	Code Edition 1974 EDI	TION WINTER '75 ADI	DENDA			
8. Work Description R	8. Work Description REPLACE VALVE PER WORK ORDER 231241.					
			··········			
9. 🔲 ISI Flaw	NDE N	lethod of Flaw Detection				
		Report Number				
Y	uitability of this work as p ING ROTATED TO FAC			AT WE IS SNIHLAS27		
THE VILLEDE	ING ROTATED TO TAC	CIEITATE TESTING. T	HE REFLACEMENT V	ALVE 18 5N#14337.		
<del></del>						
44 Danie (Danie		na /				
	nt Work Organization <u>A</u>					
	Construction or reconciled					
	nt Activity Construction Co			ADDENDA		
14. ASME Section XI C	ode/Edition 1992 EDIT	ION & 1992 ADDENDA	<u> </u>			
15. Preservice Inspect	on Required.	<b>2</b> Y	'ES 🔲 NO			
MBN 10/09/0	00 If required, include	e a step in the W.O. to pe	rform Preservice Inspec	tion.		
16. ASME Section XI P.	ressure Test Required	<b>☑</b> Y	ES 🔲 NO			
MBN 10/09/0	00 If required, include	a step in the W.O. for IS	I & ANII Inspection.			
MBN 10/09/0	00 17. Include a step	in the W.O. to complete	NIS-2 Form prior to relea	asing the component.		
	00 18. Include a step	in the W.O. to record bel	ow all applicable numbe	ers for repaired or		
Initial Date	replacement it					
ITEM I.D. 2JRCEPSV0200	PART NO. APN#45003560	SERIAL NO. BY14537	HEAT NO. N/A	MR/ROS NO.		
VALVE	711111113003300	D114337	IVA			
			<del></del>			
19. Planner Www.	Signature Signature	10/09/00 Print N	lame MICHAEL B. NE	WELL		
20. ISI Engineer	Phologo	10 -10 -00 Print N	lame R. P. IN	PAP		
21. ANII 24 A	Signature Programme	Date	lame ROBERT G. HOC			
	Signature	Date				

PV-E0093 Ver. 6

ASME SECTION XI - REPAIR/REPLACEMENT						
1. Component ID 2JRC	CEPSV0201	2. Code Cla	ss <u>1</u>			
3. Item Description PRI	ESSURIZER SAFETY R	ELIEF VALVE				
4. N-5 Package Numbe	4. N-5 Package Number <u>2RC03-2</u> 5. W.O. Number <u>W.O. 231242</u>					
6. Original Construction	Code Edition 1974 EDI	TION '75 SUMMER AD	DENDA			
7. Original Installation C	ode Edition 1974 EDIT	ION WINTER '75 ADDI	ENDA			
_	PLACE DRAIN NIPPL					
	<u></u>					
9. 🔲 ISI Flaw	NDF Me	ethod of Flaw Detection _				
9. Las IOI I law	1132					
10. Evaluation of the sui	itability of this work as pe					
THE VALUE DED	IC POTATED TO FAC	II ITATE TESTING TH	E REPLACEMENT VA	LVE IS 1971		
EDITION, WINTE	R 72 ADDENDA AND TION XI 97 EDITION 9	RECONCILED TO THE	1974 EDITION SUMM	ATION AS PER		
AS PER THE SEC MEE #02504.	95 464 1011 1011 9	O ADDENDA REQUIRE	ZIVIETO TO T			
	t Work Organization AP					
	onstruction or reconciled					
	t Activity Construction Co			DDENDA		
14. ASME Section XI Co	ode/Edition 1992 EDITI	ON & 1992 ADDENDA				
15. Preservice Inspection	on Required.	<b>☑</b> Y				
MBN 10/09/0	0 If required, include	a step in the W.O. to per	form Preservice Inspect	ion.		
3	and the Took Postuired	☑ Yi	FS D NO			
16. ASME Section XI Pr MBN 10/09/0		a step in the W.O. for ISI	_			
Initial Date	· · · · · · · · · · · · · · · · · · ·	in the W.O. to complete		esing the component.		
MBN 10/09/0	<del></del>					
MBN 10/09/0	18: Include a step replacement it	in the W.O. to record bell ems.	ow all abblicable impe	is lot repaired of		
ITEM I.D.	PART NO.	SERIAL NO.	HEAT NO.	MR/ROS NO.		
2JRCEPSV0201	APN#45003560	BQ07679	N/A			
VALVE	1 D21//42 571 055	NI/A	461449			
NIPPLE CAP	APN#43571055 APN#43550622	N/A N/A	HYD			
CAI	71111143330022					
	N R C	10/00/00 - 11/10	MICHAEL D. NI	CVVICTI		
19. Planner We	Signature Signature	Date	Name MICHAEL B. NE			
20. ISI Engineer	Modar		Name R.P. IA	1DAP		
2	Signature	Date	United BODERT C. UO	GSTDOM		
21. ANII	( Signature	Date Print	Name ROBERT G. HO	GOTKOM		

ASME SECTION XI - REPAIR/REPLACEMENT						
		2. Code Clas	ss <u>1</u>			
3. Item Description PRE	ESSURIZER SAFETY R	ELIEF VALVE				
4. N-5 Package Number	2RC03-2	5. W.O. Num	ber <u>W.O. 231243</u>			
	6. Original Construction Code Edition 1974 EDITION '75 SUMMER ADDENDA					
		ION WINTER '75 ADDE				
8. Work Description RE	PLACE DRAIN NIPPLE	E AND VALVE PER W.	O. 231243.			
9. ISI Flaw	NDF Me	thod of Flaw Detection _				
J. L. IOITIAW	, 152 1110					
10. Evaluation of the sui	tability of this work as pe	r the requirements of IAW	<i>!</i> -4150.			
THE VALUE DEIN	IG POTATED TO FAC	LITATE TESTING, THI	E REPLACEMENT VA	ALVE IS 1971		
EDITION WINTE	R 72 ADDENDA AND I	RECONCILED TO THE 6 ADDENDA REQUIRE	1974 EDITION SUMM	IER /3 ADDENDA		
MEE #02504.	OS AS 1001 XI STEDITION S	O WADDELLAN KEGOIKE	ATTENTION TO COLUMN			
		•				
11. Hepair/Hepiacemen	t Work Organization AP	O-d-(Editi 1074 EDI	TION SUMMER 1975	ADDENDA		
12. Replacement Item C	onstruction or reconciled	Code/Edition 1974 EDI	AT A LONG MUNICIPO A	DDENDA		
		de/Edition 1974 EDITIC		DDENDA		
14. ASME Section XI Co	de/Edition 1992 EDITI	ON & 1992 ADDENDA				
15. Preservice Inspection	on Required.	✓ YE	at a second seco			
MBN 10/09/0	0 If required, include	a step in the W.O. to per	form Preservice Inspect	ion.		
Initial Date	essure Test Pessired	<b>☑</b> YE	s 🔲 NO			
16. ASME Section XI Pr MBN 10/09/0		a step in the W.O. for ISI				
Initial Date		in the W.O. to complete N		asing the component.		
MBN 10/09/0	<del></del>	in the W.O. to record belo				
MBN 10/09/0	00 18. Include a step replacement it	in the vv.O. to record belo ems.	nw dii abbiicanie (iditine			
ITEM I.D.	PART NO.	SERIAL NO.	HEAT NO.	MR/ROS NO.		
2JRCEPSV0202	APN#45003560	BQ07678	N/A			
VALVE	A DNI#42571055	N/A	461449			
NIPPLE CAP	APN#43571055 APN#43550622	N/A	HYD			
OFM						
~n. ()	Open -	10/00/00	Name MICHAEL B. NI	EWELL		
19. Planner Wulle	Signature Signature	10/09/00 Print N	·			
20. ISI Engineer	Produp	10 -10-00 Print N	Vame <u>R.P.J</u>	YDAP		
	Signature	Date  IO-II  Print N	Name <u>ROBERT G. HO</u>	GSTROM		
21. ANII / 📈 🗴	Signature Signature	Date Print P	vaine <u>ROBERT G. HO</u>	001101/1		

PV-E0093 Ver. 6

	ASME SECTION	ON XI - REPAIR/R	EPLACEMENT			
1. Component ID 2JR	CEPSV0203	2. Code Cla	ass 1			
3. Item Description PR	ESSURIZER SAFETY I	RELIEF VALVE				
4. N-5 Package Numbe	4. N-5 Package Number <u>2RC03-2</u> 5. W.O. Number <u>W.O. 231244</u>					
6. Original Construction	6. Original Construction Code Edition 1974 EDITION '75 SUMMER ADDENDA					
7. Original Installation (	7. Original Installation Code Edition 1974 EDITION WINTER '75 ADDENDA					
8. Work Description R	EPLACE VALVE PER \	VORK ORDER W.O. 23	1244.			
9. 🔲 ISI Flaw	NDE M	ethod of Flaw Detection				
		•				
		er the requirements of IAV SILITATE TESTING. TH		I VE IS		
SN#BY14538.	NG ROTATED TO FAC	iLITATE TESTING. In	E REFLACIMENT VA	D V L 10		
				-		
· ·		PS				
		Code/Edition 1974 EDI				
13. Repair/Replacemen	t Activity Construction Co	de/Edition 1974 EDITIO	ON & 1975 WINTER A	DDENDA		
14. ASME Section XI Co	ode/Edition 1992 EDIT	ON & 1992 ADDENDA				
15. Preservice Inspecti	on Required.	<b>☑</b> Y	ES 🔲 NO			
MBN 10/09/0	00 If required, include	a step in the W.O. to per	form Preservice Inspec	tion.		
16. ASME Section XI Pi	ressure Test Required	☑ Y	ES 🔲 NO			
MBN 10/09/0	•	a step in the W.O. for ISI	<del></del>			
Initial Date MBN 10/09/0	<del></del>	in the W.O. to complete I		asing the component.		
Initial Date	<del></del>	in the W.O. to record bel				
MBN 10/09/0	replacement it		ow an apphoable name			
ITEM I.D.	PART NO.	SERIAL NO.	HEAT NO.	MR/ROS NO.		
2JRCEPSV203 VALVE	APN#45003560	BY14538	N/A			
VALVE						
19. Planner Nu. D.	2 Drund	10/09/00 Print N	lame MICHAEL B. NI	EWELL		
20. ISI Engineer	Photap	10-10-60 Print N	lame RPIN	DAP		
21. ANII 4	Signature	Date 10-11-00 Print N	Name ROBERT G. HO	GSTROM		
	(Signature	Date				

PV-E0093 Ver. 6

ASME SECTION XI - REPAIR/REPLACEMENT					
1. Component ID 2MR	CEX01	2. Code Cl	ass 1		
3. Item Description RE					
4. N-5 Package Numbe	r 2RC01-1A	5. W.O. Nu	mber <u>231270</u>		
6. Original Construction Code Edition ASME SECT. III, CL 1 1971 EDITION W'73 ADD					
	code Edition <u>ASME SEC</u>				
8. Work Description F	ABRICATE AND INSTA	ALL A NEW REACTOR	R VESSEL LEVEL MO	NITORING	
51	STEM FLANGE NUT.				
9. 🔲 ISI Flaw	NDE Me	•			
		•	A/ 4150		
10. Evaluation of the su	itability of this work as pe UT REQUIRED DUE TO	or the requirements of IAV O THE ORIGINAL BEID	NG LOST.		
NEW I LANGE IV	or ideal and a second				
	Service Control	2 (1 miles) (1 m			
	A.D.	DIZONA DIIDI IC CEDV	TICE .		
	t Work Organization AR			OITION S'79 ADD	
	Construction or reconciled	· ·	and the second s		
	t Activity Construction Co			ON W /3 ADD	
14. ASME Section XI Co	ode/Edition ASME SEC	C1. III, CL 1 1992 EDI1	·		
15. Preservice Inspection		Υ 🔟 Υ		ion	
Initial Date	oo If required, include	e a step in the W.O. to pe	nform Preservice Inspect	ion.	
16. ASME Section XI Pr	essure Test Required	Y	ES 💆 NO		
you 10-340	If required, include	a step in the W.O. for IS			
Initial Date	17. Include a step	in the W.O. to complete	NIS-2 Form prior to relea	asing the component.	
Initial Date	18. include a step	in the W.O. to record be	low all applicable numbe	rs for repaired or	
		tag graduation to the control of the	HEAT NO.	MR/ROS NO.	
ITEM I.D.	PART NO. APN 43610035	SERIAL NO. N/A	31462	480633	
ROUND STOCK	AFN 43010033	Alam of Market Are Service	in a constant		
	Marie Janes				
,					
19. Planner W.	Lexus 1 Clips	10-31-00 Print	Name MICHAEL B. NE	EWELL, SR.	
20. ISI Engineer	lan mon		Name <u>Alan M</u> Name <u>R.C. Hoccs</u>		
1 sh	Signature	Date Drint	Nama R.CE. Hoces	TROM	
21. ANII <u> </u>	( Signature	Date Print	Ivaine		

FORM	NIS-2 OWNE As Required b						MENTS
1. Owner <u>Arizona</u>	Public Service Co	mpany, et. al.		Date		10-31-00	
	x 53999, Phoenix,						
2. Plant <u>Palo Ver</u>	de Nuclear Genera	ating Station		Unit _		2	
	Wintersburg Rd., 7	<sub>lame</sub> Conopah, Arizo					
	ρ						
3. Work Performed b	y Arizona Public	Service lame				mbol Stamp	None
						lo. N	
5801 S.	Wintersburg Rd.,	Fonopah, Arizo	ona 85354-	7529 Expira	ition Date	N/.	<u>A</u>
4. Identification of Sy	stem <u>REACT</u>	OR COOLAN	Γ	<u>.</u>			
		ATE Contill C	11 4071 1	Edition W/7	2 Add	anda	Code Case
	nstruction Code ASN						
(b) Applicable Edi	ition of Section XI Utili:	zed for Repairs or	Replacemer	its 19 <u>92</u> E	dition, _	1992 Adder	nda
6. Identification of Co	omponents Repaired o	r Replaced and R	eplacement (	Components			
Name of Item	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year on Built	Repaired or Replacement	ASME Code Stamped (Yes or No)
REACTOR VESSEL	C-E	79173	22513	2MRCEX0	I	Repaired	Yes
FLANGE NUT	N/A	N/A	N/A	2MRCEX0	1 2000	Replacement	No
				,			
	<u> </u>					<u></u>	
7. Description of Wo	rk Fabricated RVL	MS flange nut	per drawi	ng N001-03	01-002	08 and replace	ed lost nut.
8. Test Conducted:	Hydrostatic	Pneumatic 🔲	Nominal Ope	erating Pressu	ıre 🔲	Exempt	N-416-1 🔲
	Other 🔲	Pressure	psi		Test T	emp.	°F
	- ···-· •		,				_
(2) information in it	ntal sheets in form of tems 1 through 6 on ets is recorded at the	this report is inc	cluded on ea	may be use ach sheet, ar	d, proviond (3) ea	ded (1) size is 8 ach sheet is nun	1/2 x 11 in., nbered and

	FORM NIS-2 (Back)
Remarks	Work order 231270 fabricated and installed lost flange nut for the reactor vessel level monitoring system.
F	
	CERTIFICATE OF COMPLIANCE
i i	y that the statements made in the report are correct and this replacement conforms to the rules ME Code, Section XI.
Type Co	de Symbol StampN/A
Certificat	e of Authorization No. AAA Expiration Date NA
Signed	Ch. Broces IN- July Designee, Title Date 10/31/00
	CERTIFICATE OF INSERVICE INSPECTION
Inspector of <u>Har</u> the period belief, the	ersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessels and the State or Province of <u>Arizona</u> and employed by <u>HSBI &amp; I CO.</u> **Tford, Connecticut, have inspected the components described in this Owner's Report during to w-3:-  **Owner has performed examinations and taken corrective measures described in this Owner's accordance with the requirements of the ASME Code, Section XI.
concernir neither th	g this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied ng the examinations and corrective measures described in this Owner's Report. Furthermore, e Inspector nor his employer shall be liable in any manner for any personal injury or property or a loss of any kind arising from or connected with this inspection.
	Commissions NB 9685 "N" "1" Az. 264  (Vinspector's Signature National Board, State, Province, and Endorsements
Date_	October 31, 2000

PV-E0092 Ver. 6 BACK

ASME SECTION XI - REPAIR/REPLACEMENT							
1. Component ID 2PI	RCEL032	2. Code C	lass ASME SECTION I	III, CLASS 1			
3. Item Description R	EACTOR VESSEL TO	STEAM GENERATOR #	1 HOT LEG PIPING				
4. N-5 Package Numb	er <u>2RC01-1A</u>	5. W.O. Nu	ımber <u>233220</u>				
6. Original Constructio	n Code Edition ASME	SETION III, CLASS 1, 1	974, SUMMER 1974 AI	DDENDA			
7. Original Installation	Code Edition ASME SI	ECTION III, CLASS 1, 1	974, WINTER 1974 ADI	DENDA 7 "-4"-co			
, <u>p</u>	lugging of spare RTD's		nozzle 2JRCCPDT115C, JRCETW0111HB per th				
9. 🔲 ISI Flaw	9. ISI Flaw NDE Method of Flaw Detection						
		Report Number					
	•	er the requirements of IA					
Modification work 2000-00227.	to be performed per eng	gineering requirements sp	ecified in DMWO 21902	26 and EDC			
		1 . D.11'. O					
	nt Work Organization A		***				
12. Replacement Item (	Construction or reconcile	d Code/Edition ASME S	ec. III, 1974 Ed., Summe	er 1974 Addenda			
13. Repair/Replacemen	t Activity Construction Co	ode/Edition ASME Sec.	III, 1974 Ed., Winter 197	5 Addenda			
14. ASME Section XI C	ode/Edition 1992 Edition	on, 1992 Addenda	·				
15. Preservice Inspecti	on Required.	☐ Y	ES 🗹 NO				
Minitial Sale	If required, include	e a step in the W.O. to pe	rform Preservice Inspecti	on.			
16. ASME Section XI Pi	ressure Test Required	Q Y	ES 🗹 NO				
M 8/30/0	If required, include	a step in the W.O. for IS	I & ANII Inspection.				
11 8/30/	00 17. Include a step	in the W.O. to complete	NIS-2 Form prior to relea	sing the component.			
nitial Date  Initial Date	18. Include a step		low all applicable number	rs for repaired or			
COMP I.D.	PART NO.	SERIAL NO.	HEAT NO.	MR/ROS NO.			
2JRCETW0111HA	APN 00062036	N/A	NXOGIIHK	MR# 460015			
(RTD Plug)				430200			
2JRCETW0111HC	APN 00062036	N/A	NXOGIIHK	MR# 460015			
(RTD Plug)	A DNI 00062026	N/A	1 1 1 m 6 11 11 11 11	MD# /// ma/5			
2JRCCPDT115C (Half Nozzle)	APN 00062036	IN/A	NXO911HK	MR# 460015			
(Han Nozzie)							
		, .					
19. Planner	I Jaha	8/95/00 Print N	Name <u>Herbert L. Green</u>				
20. ISI Engineer	Production Signature	B/3/60 Print N	lame R. P. IN	IDAP			
21. ANII	Signature Signature	9-31-€ Print N	Name R.G. Logstr	DW			

### FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI 1. Owner Arizona Public Service Company, et. al. Date 08/30/00 P.O. Box 53999, Phoenix, Arizona 85072-2034 Sheet 1 of 2. Plant Palo Verde Nuclear Generating Station Unit 5801 S. Wintersburg Rd., Tonopah, Arizona 85354-7529 233220 Work Order Number 3. Work Performed by Arizona Public Service Type Code Symbol Stamp None Authorization No. N/A P.O. Box 53999, Phoenix, AZ 85072-7529 Expiration Date N/A Reactor Coolant System, Line number 2PRCEL032, Spool 001. 4. Identification of System 5. (a) Applicable Construction Code ASME Section III 19 74 Edition, W'75 Addenda, Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 92 Edition, 1992 Addenda 6. Identification of Components Repaired or Replaced and Replacement Components Repaired **ASME Code** Name of Name of Manufacturer l National Other Year Board No. Identification Built Replacement Stamped Item Manufacturer Serial No. (Yes or No) RCS HL #1 Combustion Eng. 771-301 N/A 2PRCEL032 1980 Repaired Yes 7. Description of Work Perform ASME Class 1 welds (3) per DMWO 219029, Hot Leg Nozzle Modification 8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt N-416-1 N-416-1 Other Test Temp. \_\_\_\_ °F Pressure psi

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is  $8\,1/2\,x\,11\,in.$ , (2) information in items 1 through 6 on this 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-2 (Back)
9.	Remarks	Perform half nozzle modification to pressure measurement nozzle for 2JRCCPDT115C and RTD nozzle plugging modifications to spare RDT's 2JRCETW0111HA and 2JRCETW0111HC.  Modifications performed per engineering requirements specified in DMWO 219026 and EDC 2000-00227.
		CERTIFICATE OF COMPLIANCE
		by that the statements made in the report are correct and this repair conforms to the rules GME Code, Section XI.
	Type Co Certifica Signed	te of Authorization No.  N/A  Expiration Date N/A  Owner or Owner's Designee, Title  N/A  Expiration Date N/A  Owner or Owner's Designee, Title
		CERTIFICATE OF INSERVICE INSPECTION
	Inspecto of <u>Ha</u> the period belief, th	dersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel and the State or Province of Arizona and employed by HSBI & I CO.  **THOTOM, Connecticut**, have inspected the components described in this Owner's Report during to 10-24-00, and state that to the best of my knowledge and the Owner has performed examinations and taken corrective measures described in this Owner's accordance with the requirements of the ASME Code, Section XI.
	concerni neither t	ng this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, ng the examinations and corrective measures described in this Owner's Report. Furthermore, ne Inspector nor his employer shall be liable in any manner for any personal injury or property or a loss of any kind arising from or connected with this inspection.
		Commissions NB 9685 "N" "1" Az 264  (Inspector's Signature National Board, State, Province, and Endorsements

Date

ASME SECTION XI - REPAIR/REPLACEMENT					
1. Component ID 2PR			ass ASME SECTION I	II, CLASS 1	
3. Item Description RE	ACTOR VESSEL TO S	TEAM GENERATOR #	HOT LEG PIPING		
4. N-5 Package Numbe	r 2RC01-1A	5. W.O. Nu	mber <u>233221</u>	·	
6. Original Construction	Code Edition ASME S	ETION III, CLASS 1, 19	974, SUMMER 1974 AD	DENDA	
7. Original Installation 0	Code Edition ASME SE	CTION III, CLASS 1, 19	74, WINTER 1974 ADI	DENDA	
8 Work Description R	TD nozzle plugging mod	lification of 2JRCETW01	111HD and 2JRCETW01		
rec	quirements of engineerin	g DMWO 219026 and E	DC 2000-00228.		
9. 🔲 ISI Flaw	NDE M	ethod of Flaw Detection			
5. Ca 1011 law					
10. Evaluation of the su	itability of this work as pe	•			
Modification work	to be performed per eng	ineering requirements spo	ecified in DMWO 21902	6 and EDC	
2000-00228.					
11. Repair/Replacemen	t Work Organization <u>Ar</u>	izona Public Service			
		Code/Edition ASME S	ec. III, 1974 Ed., Summe	r 1974 Addenda	
		ode/Edition ASME Sec.			
·	ode/Edition 1992 Edition				
			ES 🗹 NO		
15. Preservice Inspecti	·	ء الساء a step in the W.O. to pe		ion	
Minitial S/30/0	ir required, include	a step in the W.O. to pe	Hotti i toscivioc moposi	· · · · · · · · · · · · · · · · · · ·	
16. AŞME Section XI Pr	essure Test Required	<u> </u>	ES 🗹 NO		
My 8/30/	of If required, include	a step in the W.O. for IS	I & ANII Inspection.		
Initial Peter	60 17. Include a step	in the W.O. to complete	NIS-2 Form prior to relea	sing the component.	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		in the W.O. to record bel	ow all applicable numbe	rs for repaired or	
Mitial Dafe	replaced items		HEAT NO.	MR/ROS NO.	
COMP I.D.	PART NO. APN 00062036	SERIAL NO. N/A	NXOGIIHK	MR# 460015	
2JRCETW0111HD (RTD Plug)	AFN 00002030	1417			
2JRCETW0111HB	APN 00062036	N/A	NXOGIIHK	MR# 46001S	
(RTD Plug)					
	///				
19. Planner	f John	8/30/00 Print !	Name Herbert L. Green		
	Signature PNOCA	8/31/00 Print 1	Name R. P. IN	IDAP	
20. ISI Engineer <u>97</u>	Signature	Date 8/3./co Print I	Name R.G. Houstr		
21. ANII	Gignature	B/3\/Ico Print I	Name K.G. Hogstie	U~\	

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

As Required by the Provisions of the ASME Code Section XI

1. Owner <u>Arizona</u>	Public Service Cor	npany, et. al.			Date		08/30/00	)
	53999, Phoenix, A					1	of	2
2. Plant Palo Ver	de Nuclear Genera	ting Station			Unit	_,	2	
5801 S.	Wintersburg Rd., T	ame 'onopah, Arizo	ona 85354-	<u>7529</u>			233221 Work Order Number	
	A							
3. Work Performed b	y <u>Arizona Public S</u>	Service ame			.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
							o. <u> </u>	
P.O. Box 53999, Phoenix, AZ 85072-7529 Expiration Date N/A								
4. Identification of System Reactor Coolant System, Line number 2PRCEL032, Spool 001.								
_	5. (a) Applicable Construction Code ASME Section III 19 74 Edition, W'75 Addenda, Code Case							
(b) Applicable Edi	ition of Section XI Utiliz	ed for Repairs or	Replacemen	its 19	<u>92</u> Edit	ion, <u>]</u>	1992 Add	enda
6. Identification of Co	omponents Repaired o	r Replaced and R	eplacement (	Compo	nents			
Name of Item	Name of Manufacturer	Manufacturer Serial No.	National Board No.	O	ther ification	Year Built	Repaired or Replacemer	1 0.
RCS HL #1	Combustion Eng.	771-301	N/A		CEL032		Repaired	Yes
KC5 Hz #1	Compassion Eng.							
					·····			
		<u> </u>						
7. Description of Wo	rk Perform ASME	Class 1 welds	(2) per DN	<u>awo</u>	219029	, Hot	Leg Nozzle	Modification
8. Test Conducted:	Hydrostatic F	Pneumatic 🔲	Nominal Op	erating	Pressure		Exempt 🗹	N-416-1 🔲
	Other [	Pressure	psi			Test T	emp.	°F
NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 x 11 in.,								
(2) information in i	items 1 through 6 on ets is recorded at the	this report is in-	cluded on ea	ach sh	eet, and	(3) ea	ch sheet is nu	umbered and

		FORM NIS-2 (Back)
•	Remarks	Perform RTD nozzle plugging modifications to spare RDT's 2JRCETW0111HD and 2JRCETW0111HB. Modifications performed per engineering requirements specified in DMWO 219026 and EDC 2000-00228.
		CERTIFICATE OF COMPLIANCE
	We certi	fy that the statements made in the report are correct and this repair or replacement conforms to the rules GME Code, Section XI.
	Type Co	de Symbol Stamp NA
	Certifica	te of Authorization No. N/A Expiration Date N/A
	Signed	te of Authorization No.  N/A  Expiration Date  N/A  Owner or Owner's Designee, Title  Expiration Date    Date   D - 214 - 50
		CERTIFICATE OF INSERVICE INSPECTION
	of History	dersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel ors and the State or Province of Arizona and employed by HSBI & I CO.    artford, Connecticut   , have inspected the components described in this Owner's Report during od   8-3\-\inco  to   10-25-\inco  , and state that to the best of my knowledge and the Owner has performed examinations and taken corrective measures described in this Owner's in accordance with the requirements of the ASME Code, Section XI.
	concerr	ing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied aing the examinations and corrective measures described in this Owner's Report. Furthermore, the Inspector nor his employer shall be liable in any manner for any personal injury or property e or a loss of any kind arising from or connected with this inspection.
		Commissions National Board, State, Province, and Endorsements

10-25-00

ASME SECTION XI - REPAIR/REPLACEMENT								
1. Component ID 2PRO	CEL063		ass ASME SECTION II	I, CLASS I				
3. Item Description RE.	ACTOR VESSEL TO ST	EAM GENERATOR #1	HOT LEG PIPING					
4. N-5 Package Numbe	4. N-5 Package Number 2RC01-1A 5. W.O. Number 233222							
6. Original Construction	S. Original Construction Code Edition ASME SETION III, CLASS 1, 1974, SUMMER 1974 ADDENDA							
7. Original Installation C	code Edition ASME SEC	CTION III, CLASS 1, 19	74, WINTER 197# ADI	DENDÀ				
a March Description PT	3. Work Description RTD nozzle plugging modification of 2JRCETW0121HA and 2JRCETW0121HC per the requirements of engineering DMWO 219026 and EDC 2000-00229.							
rec	quirements of engineering	g DMWO 219026 and EL	OC 2000-00229.					
9. 🔲 ISI Flaw	NDE Me	thod of Flaw Detection						
, <del></del>		Report Number						
10. Evaluation of the su	itability of this work as pe	r the requirements of IAV	V-4150.	Caral EDC				
Modification work	to be performed per engi	neering requirements spe	ecified in DMWO 21902	6 and EDC				
2000-00229.								
11. Repair/Replacemen	t Work Organization <u>Ari</u>	zona Public Service						
12. Replacement Item C	Construction or reconciled	Code/Edition ASME So	ec. III, 1974 Ed., Summe	er 1974 Addenda				
	t Activity Construction Co							
	ode/Edition 1992 Edition							
15. Pre≸ervice Inspecți			ES 🖸 NO					
ML elaple	of If required, include	a step in the W.O. to per	rform Preservice Inspect	ion.				
Mitfal / Dete		D Y	FS 🗹 NO					
16. ASME Section XI Pr	essure Test Required	a step in the W.O. for ISI	_					
Inifial Date/		in the W.O. to complete		sing the component.				
Date,	<del></del>							
Manitial State	18. Include a step replaced items	in the W.O. to record bels.	ow all applicable numbe					
COMP I.D.	PART NO.	SERIAL NO.	HEAT NO.	MR/ROS NO.				
2JRCETW0121HA	APN 00062036	N/A	NXOGIIHK	MR# 460015				
(RTD Plug) 2JRCETW0121HC	APN 00062036	N/A	NXOGIIHK	MR# 460015				
(RTD Plug)								
	////							
19. Planner	if John	8/38/00 Print I	Name Herbert L. Green					
	Signature	Date'	Name RP I	INDAT				
20. ISI Engineer	Signature	Date						
21. ANII	I Fogstern		Name R.G. House	ron				
1	Signature	Date						

#### FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI 1. Owner <u>Arizona Public Service Company</u>, et. al. Date <u>08/30/00</u> P.O. Box 53999, Phoenix, Arizona 85072-2034 Sheet 1 of 2 Address \_\_\_\_\_ Unit \_\_\_\_ 2. Plant Palo Verde Nuclear Generating Station 5801 S. Wintersburg Rd., Tonopah, Arizona 85354-7529 3. Work Performed by Arizona Public Service Type Code Symbol Stamp None Authorization No. N/A P.O. Box 53999, Phoenix, AZ 85072-7529 Expiration Date N/A Reactor Coolant System, Line number 2PRCEL063, Spool 001. 4. Identification of System 5. (a) Applicable Construction Code ASME Section III 1974 Edition, W'75 Addenda, Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 92 Edition, 1992 Addenda 6. Identification of Components Repaired or Replaced and Replacement Components **ASME Code** Repaired Manufacturer National Year Name of Name of Other Stamped Item Manufacturer Serial No. Board No. Identification Built Replacement (Yes or No) 1980 Repaired 771-501 2PRCEL063 RCS HL #2 Combustion Eng. N/A Yes 7. Description of Work Perform ASME Class 1 welds (2) per DMWO 219029, Hot Leg Nozzle Modification 8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt N-416-1 Other [ Pressure psi Test Temp. °F

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 x 11 in., (2) information in items 1 through 6 on this 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.

PV-E0092 Ver. 6 73DP-9ZZ17

# FORM NIS-2 (Back)

	2JRCETW0121HC. Modifications performed per engineering requirements specified in DMV 219026 and EDC 2000-00229.
	CERTIFICATE OF COMPLIANCE
	ify that the statements made in the report are correct and this repair conforms to the rule SME Code, Section XI.
Type Co	ode Symbol Stamp N/A
Certificat	ite of Authorization No. NA Expiration Date NA
Signed <u></u>	te of Authorization No. NA Expiration Date NA  SHOW CONSULTING MET-ENSIDEE Date 16-24-0  Owner or Owner's Designee, Title
<del></del>	CERTIFICATE OF INSERVICE INSPECTION
1 de a	descripted the Iding a wolid commission issued by the National Board of Roller and Pressure Vess
	dersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessors and the State or Province of <u>Arizona</u> and employed by <u>HSBI &amp; I CO.</u>
of <u>Ha</u>	artford, Connecticut , have inspected the components described in this Owner's Report during
the perio	od 3-31-co to 10-25-co, and state that to the best of my knowledge ar the Owner has performed examinations and taken corrective measures described in this Owner's
	n accordance with the requirements of the ASME Code, Section XI.
	ng this certificate, neither the Inspector nor his employer makes any warranty, expressed or impli ing the examinations and corrective measures described in this Owner's Report. Furthermore,
	he Inspector nor his employer shall be liable in any manner for any personal injury or property
damage	or a loss of any kind arising from or connected with this inspection.
	Kust M hustern Commissions NB 9685 "N Az 264
	Commissions NB 9685 "N" 1" Az . 264 Inspector's Signature National Board, State, Province, and Endorsements

ASME SECTION XI - REPAIR/REPLACEMENT							
1. Component ID 2PRO	CEL063		ass ASME SECTION III	I, CLASS 1			
3. Item Description REA	ACTOR VESSEL TO ST	TEAM GENERATOR #1	HOT LEG PIPING				
4. N-5 Package Number		5. W.O. Nur					
6. Original Construction	Code Edition ASME SI	ETION III, CLASS 1, 19	74, SUMMER 1974 AD	DENDA ≠ 10-24-60			
7. Original Installation C	ode Edition ASME SEC	CTION III, CLASS 1, 19	74, WINTER 197 <b>4</b> ADD	DENDA			
a Marie Description PT	a West Bearinting PTD pozzle plugging modification of 2JRCETW0121HD and 2JRCETW0121HB per the						
req	requirements of engineering DMWO 219026 and EDC 2000-00230.						
9. ISI Flaw NDE Method of Flaw Detection							
	Report Number						
10. Evaluation of the sui	itability of this work as pe	er the requirements of IAV	V-4150.				
Modification work	to be performed per engi	ineering requirements spe	ecified in DMWO 219020	6 and EDC			
2000-00230.							
11. Repair/Replacement	t Work Organization Ar	izona Public Service					
12. Replacement Item C	onstruction or reconciled	I Code/Edition ASME So	ec. III, 1974 Ed., Summe	r 1974 Addenda			
			III, 1974 Ed., Winter 1975				
	ode/Edition 1992 Edition						
15. Preservice Inspection			ES 🗹 NO				
15. Preservice inspection	on required.  If required, include		rform Preservice Inspecti	on.			
Initial Date			<b>-</b>				
16. ASME Section XI Pro	1	Y of the WO for IS					
Apitial S/30/		a step in the W.O. for IS		sing the component			
fortial 8/30/0			NIS-2 Form prior to relea				
Mitial Sale	18. Include a step replaced items	in the W.O. to record bel	low all applicable number	rs for repaired or			
COMP I.D.	PART NO.	SERIAL NO.	HEAT NO.	MR/ROS NO.			
2JRCETW0121HD	APN 00062036	N/A	NXOGIIHK	MR# 460015			
(RTD Plug)	APN 00062036	N/A	NXOGIIHK	MR# 460015			
2JRCETW0121HB (RTD Plug)	APN 00062036	1V/A	/ / / / / / / / / / / / / / / / / / / /				
(KID Hug)							
11/1	I date	8/30/00 Print I	Name Herbert L. Green				
19. Planner	Signature	Date	•	TNO AD			
20. ISI Engineer	Phylap Signature	Date	Name R P				
OL ANII	Signature 1	8-31-00 Print	Name R.G. Houst	TROM			
21. ANII	/Signature	Date					

#### As Required by the Provisions of the ASME Code Section XI 1. Owner Arizona Public Service Company, et. al. Date 08/30/00 P.O. Box 53999, Phoenix, Arizona 85072-2034 Sheet 1 of 2 2. Plant Palo Verde Nuclear Generating Station Unit 5801 S. Wintersburg Rd., Tonopah, Arizona 85354-7529 233223 Work Order Number 3. Work Performed by Arizona Public Service Type Code Symbol Stamp None Authorization No. N/A P.O. Box 53999, Phoenix, AZ 85072-7529 Expiration Date N/A Reactor Coolant System, Line number 2PRCEL063, Spool 001. 4. Identification of System 5. (a) Applicable Construction Code ASME Section III 19 74 Edition, W'75 Addenda, Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 92 Edition, 1992 \_\_\_ Addenda 6. Identification of Components Repaired or Replaced and Replacement Components ASME Code Repaired Year Manufacturer National Other Name of Name of Stamped Board No. Identification Built Serial No. Manufacturer item Replacement (Yes or No) 1980 Repaired Yes 2PRCEL063 771-501 N/A Combustion Eng. RCS HL #2 7. Description of Work Perform ASME Class 1 welds (2) per DMWO 219029, Hot Leg Nozzle Modification Pneumatic Nominal Operating Pressure Exempt N-416-1 8. Test Conducted: Hydrostatic Test Temp. °F Pressure psi Other [] NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 x 11 in., (2) information in items 1 through 6 on this 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-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

			FORM N	S-2 (Back	)
9.	Remarks	Perform RTD nozzle p 2JRCETW0121HD. N 219026 and EDC 2000	Modifications perfo	ions to spare RDT's ormed per engineeri	2JRCETW0121HB and ng requirements specified in DMWO
			CERTIFICATE	OF COMPLIAN	ICE
	of the AS	fy that the statements means of the Code, Section XI.		re correct and this	repair conforms to the rules
	Certificate Signed	te of Authorization No.	N/A  (on Sulting Owner or Owner's Designer	) Met. Engi e, Title	Expiration Date NA  NECT Date 10-24-00
		CER	TIFICATE OF IN	NSERVICE INS	PECTION
	Inspecto of <u>Ha</u> the period belief, th	rs and the State or Prov <u>rtford, Connecticut</u> id খ-ჰা-০০	vince of <u>Arizona</u> , have inspected the to <u>19-25-25</u> .  I examinations and	and employed by ne components des , and state to taken corrective m	Board of Boiler and Pressure Vessel  Market HSBI & I CO.  Boribed in this Owner's Report during that to the best of my knowledge and the easures described in this Owner's for XI.
	concerni neither t	ng the examinations an	d corrective measu ployer shall be liab	ires described in th le in any manner fo	es any warranty, expressed or implied, is Owner's Report. Furthermore, r any personal injury or property oction.
		Rut D Agetum		_Commissions	SB 9655 "A" "1" Az. 264

Date\_

ASME SECTION XI - REPAIR/REPLACEMENT								
1. Component ID 2JRC	CEPSV0200	2. Code Cla	ass <u>1</u>					
	3. Item Description PRESSURIZER SAFETY RELIEF VALVE							
4. N-5 Package Numbe	4. N-5 Package Number <u>2RC03-2</u> 5. W.O. Number <u>W.O. 240046</u>							
6. Original Construction	3. Original Construction Code Edition 1974 EDITION '75 SUMMER ADDENDA							
7. Original Installation C	Code Edition 1974 EDIT	ION WINTER '75 ADD	ENDA					
8. Work Description OF	FF SITE TESTING AND	REWORK PER WORK	ORDER W.O. 240046.					
9. 🔲 ISI Flaw	NDE M							
		•						
10. Evaluation of the su	itability of this work as pe	er the requirements of IAV	V-4150. IE DEDI ACEMENT VA	LVFIS				
THE VALVE BEII SN#BY14537. ₽	eplacements	we part of o	outine main	tance STRIC				
				10-13-00				
	t Work Organization <u>W</u>			A D D END A				
	construction or reconciled							
•	t Activity Construction Co			DDENDA				
14. ASME Section XI Co	ode/Edition 1992 EDITI	ON & 1992 ADDENDA						
15. Preservice Inspection		·	ES 🗹 NO					
MBN 10/13/0	0 If required, include	a step in the W.O. to pe	rform Preservice Inspecti	on.				
16. ASME Section XI Pr	essure Test Required	<u> </u>	ES 🗹 NO					
MBN 10/13/0		a step in the W.O. for ISI	& ANII Inspection.					
Initial Date MBN 10/13/0	00 17. Include a step	in the W.O. to complete	NIS-2 Form prior to relea	sing the component.				
Initial Date MBN 10/13/0		in the W.O. to record bel	ow all applicable number	rs for repaired or				
Initial Date	replacement it	ems.		·				
ITEM I.D.	PART NO.	<b>SERIAL NO.</b> 20339-1	HEAT NO. VX1474AK	MR/ROS NO. PO#60257948				
2JRCEPSV0200 BELLOWS	APN#45490005	20339-1	VAITITAL	1000237710				
DISC NUT			41182	PO#60257948				
FLANGE			223906	PO#60257948				
FLANGE ADAPTER			501308	PO#60257948				
19. Planner Ne	Cress Signature	10/13/00 Print P	Name MICHAEL B. NE	WELL				
20. ISI Engineer	Phodoap	10-13-80 Print 1	Name R. P. IN	DAP				
21. ANII	Signature	Date 10 - 17 - 00 Print I	Name ROBERT G. HOC	GSTROM				
21.700	( Signature	Date						

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS  As Required by the Provisions of the ASME Code Section XI							
1. Owner Arizona	Public Service Con						
P.O. Box	53999, Phoenix, A	ame Arizona 85072- Idress	-2034	Sheet	1	of	2
2. Plant Palo Ver	de Nuclear Genera	ting Station		Unit		2	
5801 S.	Wintersburg Rd., T	<sup>ame</sup> 'onopah, Arizo <sup>Idress</sup>	na 85354-7	7529	<u>\</u>	W.O. 240046 Vork Order Number	
	y WYLE LAB WE	101633		TER Type Cod	le Sym	bol Stamp	None
						o. <u>N//</u>	
201 S. H	IIGHLAND SPRIN	NGS BEAUMO	ONT CA 92	2223 Expiration	n Date	N/A	<u> </u>
4. Identification of Sy	DC ACME	E SECTION III	I CLASS 1				
	nstruction Code SEC	III CLASS 1	19 <i>7</i> 4 E	Edition, 75'S	Adde	nda,	Code Case
	ition of Section XI Utiliz						
6. Identification of Co	omponents Repaired or	r Replaced and R	eplacement (	Components	,		ACME 0 :
Name of Item	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)
BELLOWS	DRESSER	20339-1	N/A	2JRCEPSV200			No
DISC NUT	DRESSER	N/A	N/A	2JRCEPSV200	1998	Replacement	No
FLANGE	DRESSER	N/A	N/A	2JRCEPSV200	1998	Replacement	No
FLANGE ADAPT	DRESSER	N/A	N/A	2JRCEPSV200	1998	Replacement	No
7. Description of W	ork REPLACE VA	LVE BELLO\	WS, DISC	NUT, FLANC	ЭЕ, &	FLANGE AD	OAPTER.
8. Test Conducted:		Pneumatic 🔲		perating Pressure		Exempt 🗹	N-416-1 🔲
	Other	Pressure	psi		Test 1	Гетр	°F
NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 x 11 in., (2) information in items 1 through 6 on this 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-2 (Back)
Remarks	W.O. 240046 VALVE HAD BELLOWS, DISC NUT, FLANGE, & FLANGE ADAPTER REPLACE. (2JRCEPSV0200 SN#BY14537).
	CERTIFICATE OF COMPLIANCE
	by that the statements made in the report are correct and this replacement conforms to the rules repair or replacement.
Type Co	de Symbol Stamp N/A
Certifica	te of Authorization No. N/A Expiration Date
J.g.	Owner or Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
I, the un Inspecto of <u>Hi</u> the peri	CERTIFICATE OF INSERVICE INSPECTION  dersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessers and the State or Province of Arizona and employed by HSBI & I CO.
I, the un Inspector of Higher the periodelief, the Report By sign concern neither	CERTIFICATE OF INSERVICE INSPECTION  dersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessers and the State or Province of Arizona and employed by HSBI & I CO.  artford, Connecticut , have inspected the components described in this Owner's Report during to 10-17-00 , and state that to the best of my knowledge and the Owner has performed examinations and taken corrective measures described in this Owner's naccordance with the requirements of the ASME Code, Section XI.
I, the un Inspecto of Hi the peri belief, th Report	CERTIFICATE OF INSERVICE INSPECTION  dersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel ors and the State or Province of Arizona and employed by HSBI & I CO.  partford, Connecticut, have inspected the components described in this Owner's Report during and incomposed to incompose of incomposed, and state that to the best of my knowledge and the Owner has performed examinations and taken corrective measures described in this Owner's in accordance with the requirements of the ASME Code, Section XI.  Ing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied ing the examinations and corrective measures described in this Owner's Report. Furthermore, the Inspector nor his employer shall be liable in any manner for any personal injury or property

ASME SECTION XI - REPAIR/REPLACEMENT					
1. Component ID 2JRCEPSV0201 2. Code Class 1					
3. Item Description PRE	3. Item Description PRESSURIZER SAFETY RELIEF VALVE				
4. N-5 Package Number 2RC03-2 5. W.O. Number W.O. 240046					
6. Original Construction Code Edition 1974 EDITION '75 SUMMER ADDENDA					
7. Original Installation Code Edition1974 EDITION WINTER '75 ADDENDA					
8. Work Description OFF SITE TESTING AND REWORK PER WORK ORDER W.O. 240046.					
6. Work Decompais					
<u></u>					
9. ISI Flaw	NDF Me	thod of Flaw Detection _			
9. 🛄 151 Flaw	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
10. Evaluation of the sui	tability of this work as per	the requirements of IAW	-4150.		
·	TO DOTATED TO EACH	τ τη λ τη τροπίλιο. ΤΗ Γ	REPLACEMENT VA	ALVE IS	
SN#BQ07679. R	ephiements au	re part of south	ne maintener	Ce. Ty 10-13-0-	
Ad Decision of the company	Work Organization W	LE LAB WESTERN SE	RVICE CENTER		
11. Repair/Replacement	Work Organization	Code/Edition 1974 EDIT	TION SUMMER 1975	ADDENDA	
12. Replacement Item C	onstruction or reconciled	L (Edition 1074 EDITIO	N & 1075 WINTER A	DDENDA	
		de/Edition 1974 EDITIO		DDLINDII	
14. ASME Section XI Co	de/Edition 1992 EDITI	ON & 1992 ADDENDA.			
15. Preservice Inspection	on Required.	Ŭ YE		Name	
MBN 10/13/0	0 If required, include	a step in the W.O. to perf	orm Preservice Inspec	yon.	
16. ASME Section XI Pro	essure Test Required	Q YE	s 🗹 NO		
MBN 10/13/0		a step in the W.O. for ISI	& ANII Inspection.		
Initial Date MBN 10/13/0		in the W.O. to complete N		asing the component.	
Initial Date		in the W.O. to record belo			
MBN 10/13/0	replacement it	ems.			
ITEM I.D.	PART NO.	SERIAL NO.	HEAT NO.	MR/ROS NO. PO#33207018	
2JRCEPSV0201	45020245	AAD19	1990X2	PO#33207018	
DISC	45400005	FX40B5045	94989	PO#500236360	
BELLOWS	45490005 45560002	SA347	676811	PO#33207018	
SPINDLE	45170036	OM3		PO#500236360	
DISC HOLDER	43170030	0.0.2			
19. Planner Tu	19 Planner W. Drew 1 10/13/00 Print Name MICHAEL B. NEWELL				
6	Signature	Date 10-13-0-0 Print N	lama R.P.	INDAP	
20. ISI Engineer Date Date					
21. ANII	prystrina	10-17-00 Print N	lame <u>ROBERT G. HO</u>	GSTROM	
21. AINII	() Signature	Date			

As Required by the Provisions of the ASME Code Section XI							
1. Owner Arizona Public Service Company, et. al. Name							
P.O. Box 53999, Phoenix, Arizona 85072-2034				Sheet	1	of	2
Virginia							
2. Plant Palo Verde Nuclear Generating Station Unit 2							
Name  5801 S. Wintersburg Rd., Tonopah, Arizona 85354-7529  Address  W.O. 240046  Work Order Number							
3. Work Performed by WYLE LAB WESTERN SERVICE CENTER Type Gode Symbol Stamp							
Mane					Authorization No. N/A  Superstion Date N/A		
201 S. HI	GHLAND SPRIN	IGS BEAUMO	ONT CA, 9	222. Expiration	) Date	IVI	
	DC ASME	E SECTION III	CLASS 1				
4. Identification of Sys							Codo Casa
5. (a) Applicable Con	struction Code <u>SEC</u>	III CLASS 1	19 <u>74</u> E	Edition, <u>75'S</u>	Adde	nda,	Code Case
(b) Applicable Edit	ion of Section XI Utiliz	ed for Repairs or	Replacemen	ts 19 <u>92</u> Editi	on, <u>1</u>	992 Adden	da
6. Identification of Co	mponents Repaired or	r Replaced and R	eplacement (	Components			ASME Code
Name of	Name of	Manufacturer	National	Other	Year	or	Stamped
Item	Manufacturer	Serial No.	Board No.			Replacement	(Yes or No) No
DISC	DRESSER	AAD19	N/A	2JRCEPSV201			
BELLOWS	DRESSER	FX40B5045	N/A		<b></b>	Replacement	No
SPINDLE	DRESSER	SA347	N/A	2JRCEPSV201	1998	Replacement	No
DISC HOLDER	DRESSER	OM3	N/A	2JRCEPSV201	1998	Replacement	No
DISCHOLDER							
				<u> </u>	<u> </u>		
					<u> </u>		
DENALVE DISC RELIOWS SPINDLE & DISC HOLDER.							
7. Description of Work REPLACE VALVE DISC, BELLOWS, SPINDLE, & DISC HOLDER.							
8. Test Conducted:	Hydrostatic 🔲	Pneumatic 🔲	Nominal O	perating Pressure	e 🛄	Exempt 🗹	N-416-1 🔲
Other Pressure psi Test Temp.				Temp	°F		
Other Pressure psi							
		-fliata akatabar	e or drawing	ns may be used	i, prov	ided (1) size is	8 1/2 x 11 in.,
NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 x 11 in., (2) information in items 1 through 6 on this 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.							

emarks	W.O. 240046 HAD VALVE DISC, BELLOWS, SPINDLE, & DISC HOLDER REPLACE.
emano	(2JRCEPSV0201 SN#BQ07679).
	CERTIFICATE OF COMPLIANCE
	fy that the statements made in the report are correct and this $\frac{\text{replacement}}{\text{repair or replacement}}$ conforms to the rules SME Code, Section XI.
Type Co	de Symbol Stamp N/A
0 - 4:5:	es of Authorization No. N/A Expiration Date
00,100	Petroda D Consultions Mat. Eng. Date 10-13-00
Signed	Owner or Owner's Designee, Title
Signed	Productions Met. Ens. Date 10-13-020 Owner or Owner's Designee, Title
Signed	Owner or Owner's Designee, Title  CERTIFICATE OF INSERVICE INSPECTION
l, the ur	CERTIFICATE OF INSERVICE INSPECTION  dersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel  The State of Province of Arizona, and employed by HSBI & I CO.
l, the ur	CERTIFICATE OF INSERVICE INSPECTION  dersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel ors and the State or Province of Arizona and employed by HSBI & I CO.
I, the ur Inspect	CERTIFICATE OF INSERVICE INSPECTION  dersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel ors and the State or Province of Arizona and employed by HSBI & I CO.  artford, Connecticut have inspected the components described in this Owner's Report during and state that to the best of my knowledge and
I, the ur Inspect of <u>H</u> the peri	CERTIFICATE OF INSERVICE INSPECTION  dersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel ors and the State or Province of Arizona and employed by HSBI & I CO.  artford, Connecticut, have inspected the components described in this Owner's Report during and well-recomponents to the best of my knowledge and the Owner has performed examinations and taken corrective measures described in this Owner's
I, the ur Inspect of <u>H</u> the peri belief, t Report	CERTIFICATE OF INSERVICE INSPECTION  dersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel ors and the State or Province of Arizona and employed by HSBI & I CO.  artford, Connecticut, have inspected the components described in this Owner's Report during and well-17-00, and state that to the best of my knowledge and the Owner has performed examinations and taken corrective measures described in this Owner's in accordance with the requirements of the ASME Code, Section XI.
I, the ur Inspect of <u>H</u> the peri belief, t Report By sign concern	CERTIFICATE OF INSERVICE INSPECTION  dersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel ors and the State or Province of Arizona and employed by HSBI & I CO.  artford, Connecticut, have inspected the components described in this Owner's Report during od 10-17-00 to 10-17-00, and state that to the best of my knowledge and ne Owner has performed examinations and taken corrective measures described in this Owner's in accordance with the requirements of the ASME Code, Section XI.  Ing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied in the examinations and corrective measures described in this Owner's Report. Furthermore, the Inspector nor his employer shall be liable in any manner for any personal injury or property
I, the ur Inspect of <u>H</u> the peri belief, t Report By sign concern	CERTIFICATE OF INSERVICE INSPECTION  dersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel ors and the State or Province of Arizona and employed by HSBI & I CO.  artford, Connecticut, have inspected the components described in this Owner's Report during od 10-17-00 to 10-17-00, and state that to the best of my knowledge and ne Owner has performed examinations and taken corrective measures described in this Owner's in accordance with the requirements of the ASME Code, Section XI.  In this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied in the Inspector nor his employer shall be liable in any manner for any personal injury or property ever a loss of any kind arising from or connected with this inspection.
I, the ur Inspect of <u>H</u> the peri belief, t Report By sign concern	CERTIFICATE OF INSERVICE INSPECTION  dersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel ors and the State or Province of Arizona and employed by HSBI & I CO.  artford, Connecticut, have inspected the components described in this Owner's Report during od 10-17-00 to 10-17-00, and state that to the best of my knowledge and ne Owner has performed examinations and taken corrective measures described in this Owner's in accordance with the requirements of the ASME Code, Section XI.  Ing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied in the examinations and corrective measures described in this Owner's Report. Furthermore, the Inspector nor his employer shall be liable in any manner for any personal injury or property

PV-E0092 Ver. 6 BACK

ASME SECTION XI - REPAIR/REPLACEMENT					
1. Component ID 2JRC	EPSV0202	2. Code Clas	s <u>1</u>		
3. Item Description PRESSURIZER SAFETY RELIEF VALVE					
4. N-5 Package Number 2RC03-2 5. W.O. Number W.O. 240046					
6. Original Construction Code Edition 1974 EDITION '75 SUMMER ADDENDA					
7. Original Installation Code Edition _1974 EDITION WINTER '75 ADDENDA					
Original Installation Code Edition					
8. Work Description Of	8. Work Description OFF SITE TESTING AND REWORK FER WORK GROEK W.G. 2.000.				
	NDE M	ethod of Flaw Detection			
9. 🔲 ISI Flaw	NDF M				
40. The least on of the cui	tability of this work as De	er the requirements of IAW-			
THE TAXE THE PARTY	TO DOTATED TO EAC	TT TTATE TESTING: THE	REPLACEMENT VA	ALVE IS	
AN#BQ07678. ₽	eplacements	are part of you	fine mainter	pance. 10-13-04	
	J	, , , , , , , , , , , , , , , , , , ,			
		TO MEGEDALCE	DAUCE CENTED		
11. Repair/Replacement	Work Organization <u>W</u>	YLE LAB WESTERN SE	RVICE CENTER	A DDENDA	
12. Replacement Item C	onstruction or reconciled	Code/Edition 1974 EDIT	TION SUMMER 1975	ADDENDA	
13. Repair/Replacement	Activity Construction Co	ode/Edition 1974 EDITIO	N & 1975 WINTER A	DDENDA	
14. ASME Section XI Co	de/Edition 1992 EDIT	ION & 1992 ADDENDA.			
15. Preservice Inspection		☐ YE			
MBN 10/13/0	0 If required, include	e a step in the W.O. to perf	orm Preservice Inspec	tion.	
Initial Date					
16. ASME Section XI Pr	essure Test Required	Q YE			
MBN 10/13/0	0 If required, include	e a step in the W.O. for ISI	& ANII Inspection.	the semonant	
MBN 10/13/0		in the W.O. to complete N			
Initial Date MBN 10/13/0	00 18. Include a step	in the W.O. to record belo	w all applicable numbe	ers for repaired or	
Initial Date	replacement i	SERIAL NO.	HEAT NO.	MR/ROS NO.	
ITEM I.D. 2JRCEPSV0202	PART NO. 45020245	ABC74	L3181	PO#3320718	
DISC	43020243			70,470,000,000	
BELLOWS	45490005	FX40B5044	94984	PO#500230360 PO#33267018	
SPINDLE	45560002	A10014	676811	PO#60255533	
BEARING	45601845			10#00233333	
- N	N.m.	10/13/00 Drink	Ioma MICHAEL B N	EWELL.	
19. Planner Was	19. Planner Date Print Name MICHAEL B. NEWELL				
20. ISI Engineer	20. ISI Engineer Product 10-13-00 Print Name R. P. INDAP				
Signature Date					
21. ANII	Prystian	Date Print N	name KUBERT G. HC	A COLINOINI	

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

As Required by the Provisions of the ASME Code Section XI

		FORM NIS-2 (Back)
9.	Remarks	W.O. 240046 VALVE HAD REPLACE VALVE DISC, BELLOWS, SPINDLE, & BEARING. (2JRCEPSV0202 SN#BQ07678).
		CERTIFICATE OF COMPLIANCE
	il .	fy that the statements made in the report are correct and this replacement conforms to the rules FME Code, Section XI.
	Certificat	te of Authorization No. N/A Expiration Date  Consulting Met. Eng. Date 10-13-00  Owner or Owner's Designee, Title
	<u></u>	CERTIFICATE OF INSERVICE INSPECTION
	Inspector of <u>Har</u> the period belief, the	dersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel rs and the State or Province of <u>Arizona</u> and employed by <u>HSBI &amp; I CO.</u> Intercretation retricut  retricut retri
	concernia neither th	ng this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, and the examinations and corrective measures described in this Owner's Report. Furthermore, the Inspector nor his employer shall be liable in any manner for any personal injury or property or a loss of any kind arising from or connected with this inspection.

Commissions National Board, State, Province, and Endorsements

ASME SECTION XI - REPAIR/REPLACEMENT						
1. Component ID 2JRCEPSV0203 2. Code Class 1						
3. Item Description PRESSURIZER SAFETY RELIEF VALVE						
4. N-5 Package Number <u>2RC03-2</u> 5. W.O. Number <u>W.O. 240046</u>						
6. Original Construction Code Edition 1974 EDITION '75 SUMMER ADDENDA						
7. Original Installation Code Edition 1974 EDITION WINTER '75 ADDENDA						
8. Work Description OFF SITE TESTING AND REWORK PER WORK ORDER W.O. 240046.						
		-				
9. 🔲 ISI Flaw	NDE M	ethod of Flaw Detection				
40 Frankrikan af tha	itability of this work as as	• •	V-4150			
THE VALVE BEI	NG ROTATED TO FAC	er the requirements of IAV ILITATE TESTING: TH	IE REPLACEMENT VA	ALVE IS		
SN#BY14538. ₹	Replacement	is a part of m	eutine mainta	nace RP\$ 10-13-00		
	J					
11 Repair/Replacemen	t Work Organization W	YLE LAB WESTERN SI	ERVICE CENTER			
		Code/Edition 1974 EDI		ADDENDA		
		ode/Edition 1974 EDITIO				
		ION & 1992 ADDENDA				
15. Preservice Inspection		·	ES 🗹 NO			
MBN 10/13/0		e a step in the W.O. to per	<del>-</del>	ion.		
Initial Date		_				
16. ASME Section XI Pr	-	a step in the W.O. for ISI				
MBN 10/13/0	<del></del>			sing the component.		
Initial Date						
MBN 10/13/00 18. Include a step in the W.O. to record below all applicable numbers for repaired or replacement items.						
ITEM I.D.	PART NO.	SERIAL NO.	HEAT NO.	MR/ROS NO. 470526		
2JRCEPSV0203	APN#43550622	N/A	HYD	470320		
				·		
- J. N	CRIN	10/12/00 500 4	Jame MICHAEL B NE	WEII		
19. Planner 10/13/00 Print Name MICHAEL B. NEWELL						
20. ISI Engineer Print Name R. P. INDAP						
21. ANII Signature Date  21. ANII Proportion Print Name ROBERT G. HOGSTROM						
21. AIVII Signature Date						

#### FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI 1. Owner Arizona Public Service Company, et. al. Date 10/13/00 P.O. Box 53999, Phoenix, Arizona 85072-2034 Sheet 1 of 2 2. Plant Palo Verde Nuclear Generating Station Unit \_\_\_\_\_\_ Unit \_\_\_\_\_ 5801 S. Wintersburg Rd., Tonopah, Arizona 85354-7529 3. Work Performed by WYLE LAB WESTERN SERVICE CENTER Type Code Symbol Stamp Authorization No. \_\_\_ N/A 201 S. HIGHLAND SPRINGS BEAUMONT CA, 9222 Expiration Date N/A RC ASME SECTION III CLASS 1 4. Identification of System 5. (a) Applicable Construction Code SEC III CLASS 1 1974 Edition, 75'S Addenda, Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 92 Edition, 1992 Addenda 6. Identification of Components Repaired or Replaced and Replacement Components ASME Code Repaired Manufacturer National Other Year Name of Name of Stamped Board No. Identification Built Serial No. Manufacturer Item Replacement (Yes or No) 2000 No 2JRCEPSV203 Replacement N/A N/A N/A PIPE CAP 7. Description of Work REPLACE VALVE DRAIN NIPPLE PIPE CAP. N-416-1 🔲 8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt 🗸

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8  $1/2 \times 11$  in., (2) information in items 1 through 6 on this 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.

Pressure psi

Test Temp.

Other

		FORM NIS-2 (Back)
9.	Remarks	W.O. 240046 VALVE HAD PIPE CAP ON DRAIN NIPPLE REPLACE. (2JRCEPSV0203 SN#145538).
		CERTIFICATE OF COMPLIANCE
	i	y that the statements made in the report are correct and this replacement conforms to the rules ME Code, Section XI.
	Type Co	de Symbol Stamp N/A
	Certificat Signed _	e of Authorization No. N/A Expiration Date   Expiration Date
	L	
		CERTIFICATE OF INSERVICE INSPECTION
	Inspector of <u>Har</u> the period belief, the	dersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel and the State or Province of Arizona and employed by HSBI & I CO.  Interferd, Connecticut, have inspected the components described in this Owner's Report during to 10-17-00, and state that to the best of my knowledge and component as performed examinations and taken corrective measures described in this Owner's accordance with the requirements of the ASME Code, Section XI.
	concernir neither th	g this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, ng the examinations and corrective measures described in this Owner's Report. Furthermore, le Inspector nor his employer shall be liable in any manner for any personal injury or property or a loss of any kind arising from or connected with this inspection.
		Commissions No. 1 Az. 264 Inspector's Signature  Commissions No. 1 Az. 264  National Board, State, Province, and Endorsements

10-17-00

ASME SECTION XI - REPAIR/REPLACEMENT									
1. Component ID _2JS	SGAHV0184	2. Code C	class ASME III, CLAS	S 2					
3. Item Description $\underline{M}$	IAIN STEAM ATMOSP	HERIC DUMP VALVE							
4. N-5 Package Numb	per 2SG04-9	5. W.O. Ni	umber <u>242258</u>						
6. Original Construction	6. Original Construction Code Edition 1974 EDITION, WINTER 1975 ADDENDA								
7. Original Installation	7. Original Installation Code Edition 1974 EDITION, WINTER 1975 ADDENDA								
8. Work Description DISASSEMBLE, INSPECT AND REWORK TO CORRECT A STICKING PROBLEM DURING VALVE STROKING.									
DOUGH FALTE STROKING.									
9. 🔲 ISI Flaw	NDE N	Method of Flaw Detection							
	•	er the requirements of IA JRE. THE VALVE PLU		CD WITH A					
VENDOR SPARI	E DUE TO A LINEAR I	NDICATION OF SEAT	SURFACE. EXISTING	F PLUG WILL BE					
REWORK AT A	LATER TIME.								
11 Denois/Denlessme	at Mark Organization A	DC	· · · · · · · · · · · · · · · · · · ·						
	nt Work Organization <u>A</u>		IL CLASS 2 1074 ED						
		d Code/Edition ASME I							
•		ode/Edition <u>ASME III, (</u>		75 ADD.					
		TON AND 1992 ADDE							
15. Preservice Inspect	•		/ES 🔟 NO	-A!					
Initial 10/23/	oo ir requirea, inclua	e a step in the W.O. to pe	norm Preservice Inspec	ction.					
16. ASME Section XI P	ressure Test Required	☐ Y	ES 🗹 NO						
10/23/ Initial Date	00 If required, include	a step in the W.O. for IS	I & ANII Inspection.						
Initial Date	00 17. Include a step	in the W.O. to complete	NIS-2 Form prior to rele	asing the component.					
10/23/0		in the W.O. to record be	low all applicable numb	ers for repaired or					
0000 I.D.	replacement i	SERIAL NO.	HEAT NO.	MR/ROS NO.					
VALVE PLUG	924102059XX	N/A	28672	ROS# 90385836					
	***************************************								
19. Planner	And Signature	10-23-00 Print N	Name DAVID GOODI	LET					
20. ISI Engineer	ean mono	w 10/23/00 Print N	Name Alan N	lorrow					
21 ANII Oh	Signature	Date	lome PORERT HOCK	TTDOM					
21. ANII	( Signature	Date Print N	Name ROBERT HOGS	O I INOIVI					

FORM	NIS-2 OWNE As Required b	y the Provisi	ons of the				MENTS
1. Owner <u>Arizona</u>	Public Service Con	mpany, et. al.		•		10/23/00	
	x 53999, Phoenix,						
2. Plant Palo Ve	rde Nuclear Genera		i wita i k	Unit		2	
<u>5801 S.</u>	Wintersburg Rd., 7	Conopah, Arizo ddress	ona 85354-	7529		WO# 242258 Work Order Number	
3. Work Performed b	y Arizona Public	Service Co.		Type C	ode Syr	mbol Stamp	None
		ame	.*			lo. N	
5801 S.	WINTERSBURG		AH, AZ. 8:	5354 Expirati	on Date	. N/	Α
4. Identification of Sy	HOOH M	AIN STEAM		- <u> </u>		······································	
5. (a) Applicable Co	nstruction Code ASM	1E III, CLASS	19 74	Edition, <u>W'75</u>	Adde	enda,	Code Case
(b) Applicable Ed	ition of Section XI Utiliz	zed for Repairs or	Replacemen	nts 19 <u>92</u> Ed	ition,	1992 Adde	nda
6. Identification of Co	omponents Repaired of	r Replaced and R	eplacement (	Components			
Name of Item	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)
PLUG	CCI	N/A	N/A		1	Replacement	i .
٨		#+ \$					
			***				
	:						
7. Description of Wo	rk <u>VALVE DISAS</u>	SEMBLY & I	REWORK	TO CORRE	CT ST	ICKING.	
8. Test Conducted:	Hydrostatic  F	neumatic 🔲	Nominal Op	erating Pressure	• 🔲	Exempt 🗹	N-416-1 🛄
	Other 🔲	Pressure	psi	•	Test T	emp	_°F
(2) information in i	ntal sheets in form of tems 1 through 6 on ets is recorded at the	this report is inc	luded on ea	may be used ach sheet, and	, provid I (3) ea	ded (1) size is 8 ch sheet is nun	1/2 x 11 in., nbered and

73DP-9ZZ17

	FORM NIS-2 (Back)
). Remarks	WO# 242258, DISASSEMBLY OF VALVE 2JSGAHV0184 TO INSPECT FOR STICKING PROBLEM. REPLACED PLUG, SEAT RING AND PISTON RING.
	CERTIFICATE OF COMPLIANCE
1	by that the statements made in the report are correct and this replacement conforms to the rules repair or replacement.
Type Co	de Symbol Stamp No. HA Expiration Date NA
Certificat	te of Authorization No. HA Expiration Date NA
Signed <u>\</u>	Refindag, Consulting Met. Engineer Date 10-31-2000 Owner or Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
	ersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel s and the State or Province of <u>Arizona</u> and employed by <u>HSBI &amp; I CO.</u>
the period	tford, Connecticut, have inspected the components described in this Owner's Report during to
concernir neither th	g this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, ng the examinations and corrective measures described in this Owner's Report. Furthermore, e Inspector nor his employer shall be liable in any manner for any personal injury or property or a loss of any kind arising from or connected with this inspection.
	The Language Commissions NS 9685 "N" " Az. 264 Inspector's Signature National Board, State, Province, and Endorsements
Date	10 - 31 - 00

PV-E0092 Ver. 6 BACK

ASME SECTION XI - REPAIR/REPLACEMENT								
1. Component ID 2JS	GAUV0500S	2. Code C	lass ASME III, CLASS	2				
3. Item Description 6"	-900# PRESSURE SEA	•						
4. N-5 Package Numbe	er 2SG02-1A	5. W.O. Nu	umber <u>243062</u>					
6. Original Construction	6. Original Construction Code Edition 1974 EDITION, SUMMER 1975 ADDENMDA							
7. Original Installation Code Edition 1974 EDITION, WINTER 1975 ADDENDA								
B	8. Work Description DISASSEMBLE VALVE FOR PACKING REPLACEMENT AND DECON. BROKE OFF BOLTS IN BONNET DURING DISASSEMBLY. FOR EASE OF REASSEMBLY WILL USE NEW UNCONTAMINATED BONNET							
9. ISI Flaw NDE Method of Flaw Detection								
	.•	Report Number	<u> </u>					
10. Evaluation of the su	uitability of this work as pe	er the requirements of IA	W-4150.					
			G REPLACED FOR EA DNENTS IN THIS VALV					
REASSENIBLT A	IND TO REDUCE CON	TAIWINATED CONT.	WENTS IN THIS VALV	15.				
			<u> </u>					
11. Repair/Replacemer	nt Work Organization AI	PS .						
12. Replacement Item 0	Construction or reconciled	Code/Edition ASME I	II, CLASS 2, 1974 EDIT	ION, S'1975 ADD.				
13. Repair/Replacemen	at Activity Construction Co	ode/Edition ASME III, o	CLASS 2, 1974 EDITIO	N, W'1975 ADD.				
14. ASME Section XI C	ode/Edition 1992 EDIT	ON AND 1992 ADDE	NDA					
15. Preservice Inspecti			YES	ion.				
16. ASME Section XI Pr	ressure Test Required	<b>P</b>	res 🔲 no					
Dry G 10/28/0	• •	a step in the W.O. for IS	_					
Initial Date 10/28/0	<del></del>		NIS-2 Form prior to relea	asing the component.				
Initial Date 10/28/0 Initial Date		in the W.O. to record be	low all applicable numbe					
ITEM I.D.	PART NO.	SERIAL NO.	HEAT NO.	MR/ROS NO.				
VALVE BONNET		229H-3	K171	PL0433129				
		:						
19. Planner <u>Dan</u>	Signature Signature	10-28-00 Print	Name <u>DAVID GOODL</u>	ET				
20. ISI Engineer		w 10/28/00 Print	Name Alan M	forrow				
21. ANII	Signature  Option  () Signature	Date  ### Print  Date	Name ROBERT HOGS	TROM				

As Required by the Provisions of the ASME Code Section XI

		<del></del>		نسسسو	•			
1. Owner <u>Arizona</u>	Public Service Co	mpany, et. al.	······································		Date		10/28/00	
	x 53999, Phoenix,	Arizona 85072						
a Diant Palo Ver	·	Address			11 m i4		2	
	de Nuclear Genera	Jame						
<u> 5801 S.</u>	Wintersburg Rd.,	l onopan, Ariz Address	ona 85354-	·/329		<del> </del>	Work Order Number	
3. Work Performed b	y Arizona Public	Service Co.	<u></u>		Type Co	de Syr	mbol Stamp	None
	N	Varne			Authoriz	ation N	lo. <u>N</u>	í/A
5801 S.	WINTERSBURG	RD., TONOP	AH, AZ. 8					
Address  4. Identification of System "SG" - MAIN STEAM								
4. Identification of Sy	stem <u>"SG" - M.</u>	AIN STEAM		<b>9</b> 8 1 2 2 2 2 2	<del></del>		<del></del>	
5. (a) Applicable Cor	nstruction Code ASM	ME III. CLASS	5 2 19 74	Edition,	S'75	Adde	enda.	Code Case
		eritaria perente entre en	Same about a company					-
(b) Applicable Eqi	ition of Section XI Utiliz	ed for Repairs of	r Replacemer	nts 19	92 Ean	tion,	1992 Adde	nda
6. Identification of Co	omponents Repaired or	r Replaced and F	Replacement (	Compor	nents			
	,	1	1	· · ·		T	Denoised	TACAME Code
Name of Item	Name of Manufacturer	Manufacturer Serial No.	National Board No.			Year Built		ASME Code Stamped (Yes or No)
BONNET	Anchor/Darling	229H-3		2JSGA	.UV500S	2000	Replacement	Yes
			4		:			
								<del>                                     </del>
		1 1 1 1 1 1 1				ļ		
	*		1					
				N. 15.				
			1.0 1.0	ا مید کید	N.			
		·			•			
<del>,</del>			<u> </u>			l		<del></del>
7. Description of World	k VALVE DISAS	SEMBLY FO	R REPAC	<u>K ANI</u>	D DEC	ON.		
O Total Considerate de	I to also a total a la		Namia I Oa				5	N 440 4 Th
8. Test Conducted:	Hydrostatic   P	neumatic 🔙	at an No.	1.5			Exempt	N-416-1 🔲
	Other 🔲	Pressure	psi			Test Te	emp	_°F
	•							
NOTE: Supplement	tal aboata in form of	lista skatabas	or drawings	imov h	o iïcod	provid	lod (1) cizo ic 9	11/2 v 11 in
(2) information in ite	tal sheets in form of ems 1 through 6 on ets is recorded at the	this report is inc	cluded on ea					
are number of since	is is recorded at the	top or and torn	•					

# ASME SECTION XI - REPAIR/REPLACEMENT

· C	omponent ID	2JEWALV0	091 2.	Code Class	ASME SECT I	II CL3, 74 ED, W75 ADD
	tem Descripton		VS SURGE TANK	A LEVEL MA	KEUP VAL	VE
	I-5 Package Numl	per 2EW	701-3 5.	W.O. Number	r	00-904343
	origional Construc	ction Code Edition	ASME	E SECT III CL3	, 74 ED, W7	5 ADD
	origional Installati	<del>-</del>	ASM	E SECT III CL	3, 74 ED, W	75 ADD
8. V	Vork Description leakage.	Internal rewe	ork and or replacen	nent of valve int	ernals to cor	rect valve seat
0	ISI Flaw	NI	DE Method of Flaw	Detection		
9.	151 I law	112		rt Number		
10. Ev	valuation of the su weld failure invol	itability of this work as	per the requiremen	ts of IWA-4150	essure l	oundary.
11 D	oneir/Penlecemer	nt Work Organization _		AP	S	
10 D	1 Ye	Construction Code/Edit	ion AS	ME SECT III (	CL3. 74 ED.	W75 ADD
12. K	epiacement item	at Activity Construction	Code/Edition AS	EME SECT III (	CL3. 74 ED.	W75 ADD
K	epair/Replacemen	at Activity Constituction	1002 ED	ITION and 199	2 ADDEND.	A
	_	Code/Edition	YES	X NC		
15. F	Preservice Inspect	TC : 1 to -	lude a step in the W			ispection
In 16		Pressure Test Required	YES	X NO	1	
20			lude a step in the W	O. for ISI & A	NII Inspection	on.
In	itial Date		p in the W.O. to comp			
SE In	itial Date	<del></del>				
SEC	7-31-6		ep in the W.O. to record	i below, all applica	iole numbers ic	or repaired or
	nitial Date	PART NO.	SERIAL NO.	HEA	T NO.	ROS/EROS NO.
		<u> </u>		e Print Na	me Co	OSMUNDSON
19.	Planner 20	Amendian Signature o	/ - 3/ - 0 Date	<u> </u>	Q (	TION
20.	ISI Engineer	PPMdap	<u> </u>	Print Na	me <u>v r</u>	LNDAF
	ANII 🕢	Signature System	Date 2-3-00	Print Na	me <u>Ric</u>	. HUGISTROM
	711 114	Signature	Date			
		V				

#### FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI Owner Arizona Public Service Company, et al. Date Name Sheet of P.O. Box 53999, Phoenix, Arizona 85072-2034 A ddress Unit Palo Verde Nuclear Generating Station Plant 2. 5801 S. Wintersburg Rd.., Tonopah, Arizona 85354-7529 Repair Organization P.O. No., Job No., etc. Address Type Code Symbol Stamp None APS Work Performed by Authorization No. N/A Name Expiration Date Same as Above (Item #2) Address Identification of System 5. (a) Applicable Construction Code ASME III, Class 3 19 74 Edition, 75 Win, Addenda - Code Case 19 92 Edition 1992 Addenda (b) Applicable Edition of Section XI Utilized for Repairs or replacements Identification of Components Repaired or Replaced and Replacement components ASME Code Repaired, Replaced Year Manufacturer National Other Name of Stamped Name of Or Replacement Built Board No. Identification (Yes or No) Serial No. Manufacturer Component Repgared Yes رج₃ 478 REPLICEMENT 2JEWALVO91 NA TARGET ROCK 764H001-5 JALVE 7. Description of Work Booky to bermet tackwelds after reassembly N-416-1 Nominal operating Pressure Pneumatic 8. Test Conducted:: Hydrostatic °F **PSI** Test temp. Pressure Other Exempt NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 ½ x 11 in., (2) information, (items 1 through 6 of this report) is included on each sheet, and (3) each sheet is numbered and the

REMARKS Valve disassembled to correct sent leakinge, and processembled performed body to bonnet tack wells after reassembly.
coper reasonary.
CERTIFICATE OF COMPLIANCE
We certify that the statements made in this report are correct and this Replacement Conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp N/A
Certificate Of Authorization No. N/A Expiration Date N/A
Signed Date
,s
CERTIFICATION OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the national board of boiler and pressure vessel inspectors and the state or province of Arizona and employed by HSBI & CO. of Hartford Connecticut, have inspected the Components described in this owner's report during the period to, And state that to the best of my knowledge and belief, the owner has performed examinations and taken corrective measures described in this owner's report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this owner's report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Commissions  National Board, State, Province, and Endorsments
Date 20

<ol> <li>Component ID 2PRCEV236</li> <li>Item Description BYPASS VALVE 2PRCEV236 FOR 2JRCEPV0100E</li> <li>N-5 Package Number 2RC01-1A</li> <li>Original Construction Code Edition 1974 EDITION &amp; 1976 SUMMER</li> <li>Original Installation Code Edition 1974 EDITION &amp; 1975 WINTER ADDENDA</li> </ol>	1						
<ol> <li>N-5 Package Number 2RC01-1A</li></ol>							
Original Construction Code Edition 1974 EDITION & 1976 SUMMER      Original Installation Code Edition 1974 EDITION & 1975 WINTER ADDENDA							
7. Original Installation Code Edition 1974 EDITION & 1975 WINTER ADDENDA							
Work Description REPLACE BROKEN PLUG STEM ASSEMBLY IAW CMWO#914969.							
9. ISI Flaw NDE Method of Flaw Detection							
Evaluation of the suitability of this work as per the requirements of IAW-4150.  REPLACEMENT IS REQUIRED AS IDENTIFIED BY VISUAL INSPECTION UNDER							
CMWO#914619.							
11. Repair/Replacement Work Organization APS							
12. Replacement Item Construction or reconciled Code/Edition1974 EDITION & 1976 SUMMER							
13. Repair/Replacement Activity Construction Code/Edition 1974 EDITION & 1975 WINTER ADDEN	DA						
14. ASME Section XI Code/Edition 1992 EDITION & 1992 ADDENDA							
5. Preservice Inspection Required.							
16. ASME Section XI Pressure Test Required YES V NO							
02/11/00 If required, include a step in the W.O. for ISI & ANII Inspection.							
17-19- OZI 1700 Il required, moidde a step il tile 44.0. for for a 744tt mopeodori.							
tnitial Date	onent						
Initial Date  17. Include a step in the W.O. to complete NIS-2 Form prior to releasing the complete NIS-2 Form							
Initial Date  O2/11/00 17. Include a step in the W.O. to complete NIS-2 Form prior to releasing the complete NIS-12 Form prior to releasing the complete NIS-2 Form prior to releasing the complete N							
Initial Date  O2/11/00 17. Include a step in the W.O. to complete NIS-2 Form prior to releasing the complete NIS-12 Form prior to releasing the complete NIS-2 Form prior to releasing the complete N	or						
Initial Date  O2/11/00 Date  Thitial Date  The W.O. to record below all applicable numbers for repaired or replaced items.	or						
Initial Date  O2/11/00 Initial Date  17. Include a step in the W.O. to complete NIS-2 Form prior to releasing the complete NIS-1 Form prior to releasing the complete NIS-2 Form prior to releasing t	or						
Initial Date    O2/11/00   17. Include a step in the W.O. to complete NIS-2 Form prior to releasing the complete NIS-12 Form prior to releasing the complete NIS-2 Form prior to releasing the comple	or						
Initial Date    O2/11/00   17. Include a step in the W.O. to complete NIS-2 Form prior to releasing the complete NIS-12 Form prior to releasing the complete NIS-2 Form prior to releasing the comple	or						
Initial Date    O2/11/00   17. Include a step in the W.O. to complete NIS-2 Form prior to releasing the complete NIS-12 Form prior to releasing the complete NIS-2 Form prior to releasing the comple	or						
Initial Date    O2/11/00   17. Include a step in the W.O. to complete NIS-2 Form prior to releasing the complete NIS-12 Form prior to releasing the complete NIS-2 Form prior to releasing the comple	or						
Initial Date    O2/11/00   17. Include a step in the W.O. to complete NIS-2 Form prior to releasing the complete NIS-12 Form prior to releasing the complete NIS-2 Form prior to releasing the comple	or						
Initial Date    O2/11/00   17. Include a step in the W.O. to complete NIS-2 Form prior to releasing the complete NIS-12 Form prior to releasing the complete NIS-2 Form prior to releasing the comple	or						
Initial Date 02/11/00 17. Include a step in the W.O. to complete NIS-2 Form prior to releasing the complete NIS	or S NO.						
Initial Date 02/11/00 17. Include a step in the W.O. to complete NIS-2 Form prior to releasing the complete NIS	S NO.						
2/11/00 17. Include a step in the W.O. to complete NIS-2 Form prior to releasing the complete NIS-2 Form prior	S NO.						

PV-E0093 Ver. 4

As Required by the Provisions of the ASME Code Section XI

Owner Arizona Public Service Company, et. al.					Date 02	2/10/00		
P. O.	Box 53999, Phoen	,	072-2034		Sheet	of	2	
2. Plant Palo	Verde Nuclear Gen				Unit	2		
5801	S. Wintersburg Rd	Name ., Tonopah, Ari	zona 85354	-7529	W.O.#9			
3. Work Perform	ed by APS	Address				Work Order Number e Symbol Stam	p None	
5801 S. WINTERBURG RD. TONOPAH ARIZONA						tion No ı Date <u>l</u>	N/A J/A	
Address  4. Identification of System RC, ASME SEC III, CLASS 1								
•	Construction Code			74 Edition, N	/A Add	enda, N/A C	Code Case	
	Edition of Section X							
6. Identification of	of Components Repa	ired or Replaced	and Replac	ement Compor	nents			
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No)	
PLUG/SEAT RING ASSY	ITT HAMMELDAHL		N/A	2PRCEV236	1978	Replacement	NO	
,,								
				· .				
7. Description of	Work <u>REPLACE</u>	PLUG/SEAT R	ING ASSY	7 <u>.</u>				
8. Test Conduct	ed: Hydrostatic	Pneumatic	No	minal Operatin	g Pressure	N-41	6-1	
	Exempt	<b>-1</b>		psi	Test	Temp.	°F	
I	·	<del></del>						
NOTE: Supplem (2) information in	nental sheets in form items 1 through 6 or	n this report is inc	, or drawing cluded on ea	s may be used ich sheet, and	, provided (3) each sl	(1) size is 8 1/2 neet is numbere	x 11 in., d and the	

number of sheets is recorded at the top of this form.

CERTIFICATE OF COMPLIANCE  e certify that the statements made in the report are correct and this replace the ASME Code, Section XI.  //Pe Code Symbol Stamp N/A  ertificate of Authorization No. N/A  igned Owner or Owner's Designee, Title	cement conforms to the rules replacement N/A
CERTIFICATE OF COMPLIANCE  The certify that the statements made in the report are correct and this replace the ASME Code, Section XI.  The Code Symbol Stamp N/A certificate of Authorization No. N/A	cement conforms to the rules replacement  Expiration Date N/A
CERTIFICATE OF COMPLIANCE  e certify that the statements made in the report are correct and this replace the ASME Code, Section XI.  Type Code Symbol Stamp N/A  partificate of Authorization No. N/A	cement conforms to the rules replacement Expiration Date N/A
CERTIFICATE OF COMPLIANCE  The certify that the statements made in the report are correct and this replace the ASME Code, Section XI.  The Code Symbol Stamp N/A certificate of Authorization No. N/A	cement conforms to the rules replacement  Expiration Date N/A
replace certify that the statements made in the report are correct and this replace the ASME Code, Section XI.  The Code Symbol Stamp N/A retificate of Authorization No. N/A	Expiration Date N/A
replace certify that the statements made in the report are correct and this replace the ASME Code, Section XI.  The Code Symbol Stamp N/A retificate of Authorization No. N/A	Expiration Date N/A
replace certify that the statements made in the report are correct and this replace the ASME Code, Section XI.  The Code Symbol Stamp N/A retificate of Authorization No. N/A	Expiration DateN/A
replace certify that the statements made in the report are correct and this replace the ASME Code, Section XI.  The Code Symbol Stamp N/A retificate of Authorization No. N/A	Expiration DateN/A
the ASME Code, Section XI.  //pe Code Symbol Stamp N/A  ortificate of Authorization No. N/A	Expiration DateN/A
/pe Code Symbol Stamp N/A	Expiration Date N/A
ortificate of Authorization No. N/A	Expiration Date N/A
ertificate of Authorization No. N/A gned	Expiration Date Date
gnedOwner or Owner's Designee, Title	Date
Owner or Owner or Owner.	
CERTIFICATE OF INSERVICE INSPECT	ΓΙΟΝ
the undersigned, holding a valid commission issued by the National Board of Arizona and employed by a spectors and the State or Province of Arizona and employed by	
he period, and state when the period, and state when the period, and state when the period is the Owner has performed examinations and taken corrective measures report in accordance with the requirements of the ASME Code, Section XI.	s described in this owner
Report in accordance with the requirements of the views of the	
By signing this certificate, neither the Inspector nor his employer makes any the state of the control of the c	warranty, expressed or implied,
By signing this certificate, neither the inspector hor his employer washing concerning the examinations and corrective measures described in this Ownneither the Inspector nor his employer shall be liable in any manner for any proceed with this inspection.	
neither the Inspector nor his employer shall be liable in any mariner for any p damage or a loss of any kind arising from or connected with this inspection.	• • •
Jamage of a 1055 of any Kind anong new 2-	
Commissions	nal Board, State, Province, and Endorsements
Inspector's Signature Nation	gar Dourd, Ordro, Comment

en de la composition La composition de la

PV-E0092 Ver. 3 BACK

, .	ASME SECTION XI - REPAIR/REPLACEMENT								
1.	Component ID 2M	IRCEP01A	2. Code Cla	ss ASME SECTI	ON III CLASS 1				
3.	Item Description _	REACTOR COOLA	NT PUMP ADAPTER	SEAL HOUSING	(TOP HAT)				
4.	N-5 Package Numb	per 2RC02-4	5. W.O. Nun	nber <u>00924605</u>					
6.	Original Construction	on Code Edition 1974	EDITION						
7.			DITION & 1975 WIN						
8.	Work Description INSTALL ADAPTER SEAL HOUSING (TOP HAT) AS DEEMED NECESSARY								
	BY ENGINEER	ING AFTER INSPE	CTION UNDER WO#	924605.					
9.	ISI Flaw NDE Method of Flaw Detection								
10.	Evaluation of the suitability of this work as per the requirements of IAW-4150.  REPLACEMENT REQUIRED AFTER ENGINEERING INSPECTION.								
				4					
11	Panair/Panlaceme	nt Work Organization _	APS						
			iled Code/Edition 1974	4 EDITION					
			Code/Edition 1974 E.		INTER ADDENDA				
			DITION & 1992 ADD						
	Preservice Inspecti			ON					
1		0 If required, include	a step in the W.O. to pe	rform Preservice Insp	ection.				
16.	Initial Date ASME Section XI F	Pressure Test Required	V YES	NO					
N	<b>BD</b> 06/20/0	0 If required, include	a step in the W.O. for IS	81 & ANII Inspection.					
	Initial Date		in the MO to complete	NIS-2 Form prior to r	eleasing the component.				
$\sim V$	06/20/00   Date								
4	106/20/0	0 18. Include a step replaced items	in the W.O. to record be	elow all applicable nun	nbers for repaired or				
	COMP I.D.	PART NO.	SERIAL NO.	HEAT NO.	MR/ROS NO.				
AD	APTER SEAL HS.	8000-307-001-C007	Q99-A861-SN7	CS7	N/A				
2MI	RCEP01A								
19.	Planner W. D.	O B New Signature	06/20/0	0 Print Name MI	CHAEL B. NEWELL				
20.	ISI Engineer	Process Signature	6/21/00 Date	Print Name	. P. INDAP				
21.	ANII	Signature	<b>ن-2</b> ا-00 Date	Print Name_R.6	e. Houstrom				

As Required by the Provisions of the ASME Code Section XI

1.	Owner Arizona Public Service Company, et. al.  Name  Name				Date06	/20/00			
	P. O. Box 53999, Phoenix, Arizona 85072-2034 Sheet 1 of 2							2	
2.									
	5801 S. Wintersburg Rd., Tonopah, Arizona 85354-7529 W.O.# 924605								
3.	Work Performed by APS Type Code Symbol Stamp None								
U.	5801 S. WINTERSBURG RD TONOPAH ARIZONA						tion No] Date N	N/A I/A	
,	Address  Address  Address								
4.		Construction Code				/A Adde	enda N/A C	ode Case	
5.	• • • • •	Edition of Section X							
6.		f Components Repa							
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No)	
AD	APTER SEAL USING	SULZER BINGHAM	Q99-A861-SN7	N/A	2MRCEP01A	1984	Replacement		
	,•								
7.	7. Description of Work REPLACEMENT OF ADAPTER SEAL HOUSING.								
8.	Test Conducte	ed: Hydrostatic	Pneumatic	No	minal Operatin	g Pressure	N-41	6-1	
		Exempt	Other	Pressure	psi	Test	Temp	°F	
		_							
(2	2) information in	ental sheets in form items 1 through 6 or is recorded at the to	n this report is inc	, or drawings cluded on ea	s may be used ch sheet, and	, provided (3) each sl	(1) size is 8 1/2 neet is numbere	x 11 in., d and the	

		ASME SECTION	ON XI - REPAIR/	REPLACEMEN	
1.	Component ID 2M	RCEP01B	2. Code Cla	ss ASME SECTION	ON III CLASS 1
3.	Item Description R	REACTOR COOLA	NT PUMP ADAPTER	SEAL HOUSING (	TOP HAT)
4.	N-5 Package Numb	er2RC02-4	5. W.O. Nur	nber <u>00924606</u>	
6.	Original Constructio	n Code Edition <u>1974</u>	EDITION		
7.	Original Installation	Code Edition 1974 E	DITION & 1975 WIN	TER ADDENDA	
8.					EMED NECESSARY
	BY ENGINEER	ING AFTER INSPE	CTION UNDER WO#	924606.	
9.	ISI Flaw	NDE Method of	of Flaw Detection		
10	Evaluation of the st	uitability of this work as	Report Number per the requirements of	IAW-4150.	
10.	REPLACEMEN'	T REQUIRED AFTI	ER ENGINEERING I	NSPECTION.	
1	•	nt Work Organization			
			iled Code/Edition 1974		NEED ADDENIDA
13.	Repair/Replacemer	nt Activity Construction	Code/Edition 1974 E	DITION & 1975 WI	NIER ADDENDA
			DITION & 1992 ADD		
15.	Preservice Inspection		المتعر	NO rform Procondice Inspe	ection
7	Initial Date		a step in the W.O. to pe		schon.
16.	ASME Section XI P	ressure Test Required		NO	
7	06/20/00 Initial Date	If required, include	a step in the W.O. for IS	SI & ANII Inspection.	
Y	Initial Date 06/20/00	) 17. Include a step	in the W.O. to complete	NIS-2 Form prior to re	eleasing the component.
— 人	Initial Date 06/20/00	•	in the W.O. to record be		
	Initial Date	replaced item:	S.		
	COMP I.D.	PART NO.	SERIAL NO.	HEAT NO.	MR/ROS NO.
	APTER SEAL HS.	8000-307-001-C007	Q99-A861-SN7	CS7	IVA
2M	RCEP01B	<del></del>			
<u> </u>					
<b> </b>					
Ŀ					
19	Planner	Signature Signature	06/20/0		CHAEL B. NEWELL
20	. ISI Engineer_	Though.	6/21/0-	Print Name	· T. JNDAP
21	. ANII	Signature Signature	Date	Print Name_ k.c	HOGSTROM
21	. ANII	D Enstron	Data	Print Name K.C	C HOGSTROM
1		i signature	Date		

As Required by the Provisions of the ASME Code Section X1

1.	Owner Arizon	na Public Service (	Company, et. al	•		Date06	5/20/00	
	P. O. 1	Box 53999, Phoeni		72-2034		Sheet	1 of	2
2.	Plant Palo V	Verde Nuclear Gen	erating Station			Unit	2	
	5801 \$	S. Wintersburg Rd	Name ., Tonopah, Ariz	zona 85354	-7529	W.O.#		
•	Mark Darfarra	ad by ADC	Address			Type Cod	Work Order Number e Symbol Stam	o None
3.	Work Performe	ed by Ars	Name			Authorizal	tion No	N/A
	5801 5	S. WINTERSBUR	G RD TONOPA	AH ARIZO	NA	Expiration	DateN	√A
4.	Identification o	f System RC, ASN	ME SECTION I	II CLASS 1	<u> </u>			
5.	(a) Applicable	Construction Code	SEC III CLAS	S 1 197	74 Edition, N	/A Adde	enda, <u>N/A</u> C	ode Case
	(b) Applicable	Edition of Section X	I Utilized for Rep	airs or Repla	acements 1992	2_Edition,	1992 Addeno	ła
6.	Identification o	f Components Repa	ired or Replaced	and Replace	ement Compo	nents		· ·
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No)
	APTER SEAL USING	SULZER BINGHAM	Q99-A861-SN7	N/A	2MRCEP01B	1984	Replacement	
					`			
	,,							
İ								
7.	Description of	Work_REPLACE	MENT OF ADA	APTER SEA	AL HOUSING	G.		
8.	Test Conducte	ed: Hydrostatic _	Pneumatic	Nor	minal Operatin	g Pressure	e 🚺 N-41	6-1 🔲
		Exempt					Temp.	°F
(2	2) information in	ental sheets in form items 1 through 6 or is recorded at the to	n this report is inc	, or drawings cluded on ea	s may be used ch sheet, and	, provided (3) each sl	(1) size is 8 1/2 heet is numbere	x 11 in., d and the

PV-E0092 Ver. 4

		ASME SECTIO	ON XI - REPAIR/F	REPLACEMENT	
1.	Component ID 2M	IRCEP01C	2. Code Cla	ss ASME SECTION	I III CLASS 1
3.	Item Description	REACTOR COOLAN	NT PUMP ADAPTER	SEAL HOUSING (TO	OP HAT)
4.	N-5 Package Numl	per 2RC02-4	5. W.O. Num	nber 00924607	
6.	Original Construction	on Code Edition <u>1974</u>	EDITION		
7.	Original Installation	Code Edition 1974 E	DITION & 1975 WIN	TER ADDENDA	
8.	Work Description	INSTALL ADAPTE	ER SEAL HOUSING (	TOP HAT) AS DEEM	IED NECESSARY
	BY ENGINEER	ING AFTER INSPEC	CTION UNDER WO#	924607.	
9.	ISI Flaw	NDE Method o	of Flaw Detection Report Number		
10.	Evaluation of the s	suitability of this work as	per the requirements of	IAW-4150.	
	REPLACEMEN	IT REQUIRED AFTE	ER ENGINEERING IN	ISPECTION.	
			A DC	i	
t	•	nt Work Organization _/		EDITION	
	•		iled Code/Edition 1974		TER ADDENDA
			Code/Edition 1974 EI		ERADDLIADA
	Preservice Inspect			10	
ł			a step in the W.O. to per		on.
l	Initial Date	Pressure Test Required		1O	
16.	206/20/0		a step in the W.O. for IS		
72	Initial Date	<del>- · · · · ·</del>			
7	06/20/0 Initial Date	0 17. Include a step	in the W.O. to complete	NIS-2 Form prior to relea	asing the component.
1	06/20/0		in the W.O. to record be	low all applicable numbe	rs for repaired or
<b> </b>	COMP I.D.	replaced items	SERIAL NO.	HEAT NO.	MR/ROS NO.
AD	APTER SEAL HS.	8000-307-001-C007	Q99-A861-SN7	CS7	N/A
$\vdash$	RCEP01C				
:					
•	- ~ N	CR-71	06/20/00	) Print Name MICH	AEI B NEWELL
19.	Planner W.	Signature	06/20/00		ACC B. NEWCCE
20	1015	+4-70 -1 Of 1	6/21/02	Tint Name X it	ー こてん レススター
20	ISI Engineer	Signature	Date	Print Name	· 411 DF4
	ANII KA	Signature	Date	Print Name R.G.	HOGSTRUM

PV-E0093 Ver. 4

73DP-9ZZ17

#### FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI Date 06/20/00 1. Owner Arizona Public Service Company, et. al. Sheet 1 of 2 P. O. Box 53999, Phoenix, Arizona 85072-2034 Unit 2. Plant Palo Verde Nuclear Generating Station 5801 S. Wintersburg Rd., Tonopah, Arizona 85354-7529 W.O.# 924607 Work Order Number Type Code Symbol Stamp None 3. Work Performed by APS Authorization No. N/A 5801 S. WINTERSBURG RD TONOPAH ARIZONA Expiration Date N/A Identification of System RC, ASME SECTION III CLASS 1 (a) Applicable Construction Code SEC III CLASS 1 1974 Edition, N/A Addenda, N/A Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1992 Edition, 1992 Addenda 6. Identification of Components Repaired or Replaced and Replacement Components ASME Code Repaired. Name of Manufacturer National Other Year Name of Replaced or Stamped Board No. Identification Built Manufacturer Serial No. Component Replacement (Yes or No) ADAPTER SEAL **SULZER** Q99-A861-SN7 N/A 2MRCEP01C 1984 Replacement HOUSING **BINGHAM** Description of Work REPLACEMENT OF ADAPTER SEAL HOUSING. Pneumatic Nominal Operating Pressure V N-416-1 Hydrostatic Test Conducted: Other Pressure psi Test Temp.

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 x 11 in., (2) information in items 1 through 6 on this 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.

		ASME SECTION	ON XI - REPAIR/F	REPLACEMENT	
1.	Component ID 2M	IRCEP01D	2. Code Cla	ss ASME SECTION	III CLASS 1
3.	Item Description	REACTOR COOLAN	NT PUMP ADAPTER	SEAL HOUSING (TO	P HAT)
4.		per 2RC02-4		nber 00924608	
6.	Original Construction	on Code Edition 1974	EDITION		
7.	Original Installation	Code Edition 1974 E	DITION & 1975 WIN	TER ADDENDA	
8.				TOP HAT) AS DEEM	ED NECESSARY
	BY ENGINEER	ING AFTER INSPE	CTION UNDER WO#	924608	
9.	ISI Flaw	NDE Method o			
10	Evaluation of the s	suitability of this work as	Report Number per the requirements of	IAW-4150.	
10.	REPLACEMEN	T REQUIRED AFTI	ER ENGINEERING IN	ISPECTION.	
				,	
		nt Work Organization _		TOTAL CONT	
12.	Replacement Item	Construction or reconc	iled Code/Edition 1974	EDITION	TED A DDENIDA
13.	Repair/Replaceme	nt Activity Construction	Code/Edition 19/4 El	DITION & 1975 WINT	ER ADDENDA
i i			DITION & 1992 ADD	10	
•	Preservice Inspect		السما المتن	rform Preservice Inspect	ion
1 —	Initial Date				
16.		Pressure Test Required		NO	
1	96/20/0   Date	0 If required, include	a step in the W.O. for IS	I & ANII Inspection.	
4	06/20/0	0 17. Include a step	in the W.O. to complete	NIS-2 Form prior to release	asing the component.
L	Initial Date 06/20/0	∩ 18 Include a step	in the W.O. to record be	low all applicable numbe	rs for repaired or
-	Initial Date	replaced items	S		
	COMP I.D.	PART NO.	SERIAL NO.	CS7	MR/ROS NO.
	APTER SEAL HS.	8000-307-001-C007	Q99-A861-SN7	CS/	IVA
2M	RCEP01D				
$\vdash$					
┢┈					
-					
19	. Planner W.	Signature	06/20/0		AEL B. NEWELL
20	. ISI Engineer_	Tridap	6/21/ to	Print Name	T. LNDAP
1	=	Signature !	Date	_	1
21	. ANII	Signature Signature	۵-21- <u>۵۵</u> Date	Print Name_ R. &.	HOGSTROM

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

1.	Owner_	Arizor	na Public Service (	Company, et. al.	•		Date <u>06</u>	5/20/00	<u> </u>
	_	P. O. I	Box 53999, Phoeni		72-2034		Sheet	of	2
2.	Plant	Palo V	erde Nuclear Gene				Unit	2	
	•	5801 S	S. Wintersburg Rd.		zona 85354	-7529	W.O.# 9	924608 Work Order Numb	er
3.	Work P	erforme	ed by APS	Address			• •	e Symbol Star	mp None
		5801 S	S. WINTERSBUR		AH ARIZO	NA		tion No Date	N/A N/A
4.	Identific	cation of	f System RC, ASM	Address ME SECTION I	II CLASS 1	<u>[</u>			
5.	(a) App	plicable	Construction Code_	SEC III CLAS	S 1 197	74 Edition, N			
	,		Edition of Section X					1992 Adde	nda
6.	Identific	cation of	f Components Repa	<del>,</del>	1			Descired	ASME Code
	Name of Compone		Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year n Built	Repaired, Replaced or Replacement	Stamped
	APTER S USING	EAL	SULZER BINGHAM	Q99-A861-SN7	N/A	2MRCEP01D	1984	Replacement	t
<del></del>									
7.	Descrir	ption of	Work REPLACEN	MENT OF ADA	<u>PTER SEA</u>	<u>AL H</u> OUSIN	G		
_				<del></del> 2					416-1
8.	Test C	onducte				minal Operatir			_
			Exempt	Other	Pressure	psi	ıest	Temp.	F
(2	2) informa	ation in	ental sheets in form items 1 through 6 or is recorded at the to	n this report is inc	, or drawing: cluded on ea	s may be used ich sheet, and	d, provided (3) each sl	(1) size is 8 1, neet is numbe	/2 x 11 in., red and the

PV-E0092 Ver. 4

1. Component ID 2PCHNV787 2. Code Class ASME SEC. III CL.1  J. Item Description 1" CHECK VALVE  4. N-5 Package Number 2CH14-2 5. W.O. Number 00928219  6. Original Construction Code Edition 1974 EDITION & 1975 WINTER ADDENDA  7. Original Installation Code Edition 1974 EDITION & 1975 WINTER ADDENDA  8. Work Description BODY TO BONNET SEAL WELD REPLACEMENT DUE TO CHECK VALVE INSPECTION PROGRAM  9. ISI Flaw NDE Method of Flaw Detection Report Number Report Number Report Number Report Number Report Number Report Number Report Number Report Number Report Number Report Number Replacement Work Organization APS  11. Repair/Replacement Work Organization APS  12. Replacement Item Construction or reconciled Code/Edition 1974 EDITION & 1975 WINTER ADD.  13. Repair/Replacement Activity Construction Code/Edition 1974 EDITION & 1975 WINTER ADD.  14. ASME Section XI Code/Edition 1992 EDITION AND 1992 ADDENDA  15. Preservice Inspection Required. YES No
1. Item Description 1" CHECK VALVE  4. N-5 Package Number 2CH14-2 5. W.O. Number 00928219  6. Original Construction Code Edition 1974 EDITION & 1975 WINTER ADDENDA  7. Original Installation Code Edition 1974 EDITION & 1975 WINTER ADDENDA  8. Work Description BODY TO BONNET SEAL WELD REPLACEMENT DUE TO CHECK VALVE INSPECTION PROGRAM  9. ISI Flaw NDE Method of Flaw Detection Report Number  10. Evaluation of the suitability of this work as per the requirements of IAW-4150. REPLACED DUE TO CHECK VALVE INSPECTION  11. Repair/Replacement Work Organization APS  12. Replacement Item Construction or reconciled Code/Edition 1974 EDITION & 1975 WINTER ADD.  13. Repair/Replacement Activity Construction Code/Edition 1974 EDITION & 1975 WINTER ADDENDA  14. ASME Section XI Code/Edition 1992 EDITION AND 1992 ADDENDA  15. Preservice Inspection Required. YES V NO
4. N-5 Package Number 2CH14-2 5. W.O. Number 00928219 6. Original Construction Code Edition 1974 EDITION & 1975 WINTER ADDENDA 7. Original Installation Code Edition 1974 EDITION & 1975 WINTER ADDENDA 8. Work Description BODY TO BONNET SEAL WELD REPLACEMENT DUE TO CHECK VALVE INSPECTION PROGRAM 9. ISI Flaw NDE Method of Flaw Detection Report Number 10. Evaluation of the suitability of this work as per the requirements of IAW-4150. REPLACED DUE TO CHECK VALVE INSPECTION 11. Repair/Replacement Work Organization APS 12. Replacement Item Construction or reconciled Code/Edition 1974 EDITION & 1975 WINTER ADD. 13. Repair/Replacement Activity Construction Code/Edition 1974 EDITION & 1975 WINTER ADDENDA 14. ASME Section XI Code/Edition 1992 EDITION AND 1992 ADDENDA 15. Preservice Inspection Required. YES NO
<ol> <li>Original Construction Code Edition 1974 EDITION &amp; 1975 WINTER ADDENDA</li> <li>Original Installation Code Edition 1974 EDITION &amp; 1975 WINTER ADDENDA</li> <li>Work Description BODY TO BONNET SEAL WELD REPLACEMENT DUE TO CHECK VALVE INSPECTION PROGRAM</li> <li>ISI Flaw NDE Method of Flaw Detection Report Number</li> <li>Evaluation of the suitability of this work as per the requirements of IAW-4150. REPLACED DUE TO CHECK VALVE INSPECTION</li> <li>Repair/Replacement Work Organization APS</li> <li>Repair/Replacement Activity Construction Code/Edition 1974 EDITION &amp; 1975 WINTER ADD.</li> <li>Repair/Replacement Activity Construction Code/Edition 1974 EDITION &amp; 1975 WINTER ADDENDA</li> <li>ASME Section XI Code/Edition 1992 EDITION AND 1992 ADDENDA</li> <li>Preservice Inspection Required. YES V NO</li> </ol>
8. Work Description BODY TO BONNET SEAL WELD REPLACEMENT DUE TO CHECK VALVE INSPECTION PROGRAM  9. ISI Flaw NDE Method of Flaw Detection Report Number  10. Evaluation of the suitability of this work as per the requirements of IAW-4150. REPLACED DUE TO CHECK VALVE INSPECTION  11. Repair/Replacement Work Organization APS  12. Replacement Item Construction or reconciled Code/Edition 1974 EDITION & 1975 WINTER ADD.  13. Repair/Replacement Activity Construction Code/Edition 1974 EDITION & 1975 WINTER ADDENDA  14. ASME Section XI Code/Edition 1992 EDITION AND 1992 ADDENDA  15. Preservice Inspection Required. YES NO
8. Work Description BODY TO BONNET SEAL WELD REPLACEMENT DUE TO CHECK VALVE INSPECTION PROGRAM  9. ISI Flaw NDE Method of Flaw Detection Report Number  10. Evaluation of the suitability of this work as per the requirements of IAW-4150. REPLACED DUE TO CHECK VALVE INSPECTION  11. Repair/Replacement Work Organization APS  12. Replacement Item Construction or reconciled Code/Edition 1974 EDITION & 1975 WINTER ADD.  13. Repair/Replacement Activity Construction Code/Edition 1974 EDITION & 1975 WINTER ADDENDA  14. ASME Section XI Code/Edition 1992 EDITION AND 1992 ADDENDA  15. Preservice Inspection Required. YES NO
9. ISI Flaw NDE Method of Flaw Detection Report Number  10. Evaluation of the suitability of this work as per the requirements of IAW-4150. REPLACED DUE TO CHECK VALVE INSPECTION  11. Repair/Replacement Work Organization APS  12. Replacement Item Construction or reconciled Code/Edition 1974 EDITION & 1975 WINTER ADD.  13. Repair/Replacement Activity Construction Code/Edition 1974 EDITION & 1975 WINTER ADDENDA  14. ASME Section XI Code/Edition 1992 EDITION AND 1992 ADDENDA  15. Preservice Inspection Required. YES V NO  16. Preservice Inspection Required, include a step in the W.O. to perform Preservice Inspection.
Report Number  10. Evaluation of the suitability of this work as per the requirements of IAW-4150.  REPLACED DUE TO CHECK VALVE INSPECTION  11. Repair/Replacement Work Organization APS  12. Replacement Item Construction or reconciled Code/Edition 1974 EDITION & 1975 WINTER ADD.  13. Repair/Replacement Activity Construction Code/Edition 1974 EDITION & 1975 WINTER ADDENDA  14. ASME Section XI Code/Edition 1992 EDITION AND 1992 ADDENDA  15. Preservice Inspection Required. YES V NO  16. Double Date Page 1. Double VALUE INSPECTION Preservice Inspection.
Report Number  10. Evaluation of the suitability of this work as per the requirements of IAW-4150.  REPLACED DUE TO CHECK VALVE INSPECTION  11. Repair/Replacement Work Organization APS  12. Replacement Item Construction or reconciled Code/Edition 1974 EDITION & 1975 WINTER ADD.  13. Repair/Replacement Activity Construction Code/Edition 1974 EDITION & 1975 WINTER ADDENDA  14. ASME Section XI Code/Edition 1992 EDITION AND 1992 ADDENDA  15. Preservice Inspection Required. YES V NO  16. Double Date Page 1. Double VALUE INSPECTION Preservice Inspection.
10. Evaluation of the suitability of this work as per the requirements of IAW-4150.  REPLACED DUE TO CHECK VALVE INSPECTION  11. Repair/Replacement Work Organization APS  12. Replacement Item Construction or reconciled Code/Edition 1974 EDITION & 1975 WINTER ADD.  13. Repair/Replacement Activity Construction Code/Edition 1974 EDITION & 1975 WINTER ADDENDA  14. ASME Section XI Code/Edition 1992 EDITION AND 1992 ADDENDA  15. Preservice Inspection Required.  16. VES NO  17. NO  18. Preservice Inspection Required.  19. VES NO  19. NO  19. Date  10. Date
REPLACED DUE TO CHECK VALVE INSPECTION  11. Repair/Replacement Work Organization APS  12. Replacement Item Construction or reconciled Code/Edition 1974 EDITION & 1975 WINTER ADD.  13. Repair/Replacement Activity Construction Code/Edition 1974 EDITION & 1975 WINTER ADDENDA  14. ASME Section XI Code/Edition 1992 EDITION AND 1992 ADDENDA  15. Preservice Inspection Required.  16. VES NO  17. NO  18. O5/30/00 If required, include a step in the W.O. to perform Preservice Inspection.
12. Replacement Item Construction or reconciled Code/Edition 1974 EDITION & 1975 WINTER ADD.  13. Repair/Replacement Activity Construction Code/Edition 1974 EDITION & 1975 WINTER ADDENDA  14. ASME Section XI Code/Edition 1992 EDITION AND 1992 ADDENDA  15. Preservice Inspection Required. YES V NO  16. Initial Date Page 1974 EDITION & 1975 WINTER ADDENDA  17. Preservice Inspection Required. YES V NO
12. Replacement Item Construction or reconciled Code/Edition 1974 EDITION & 1975 WINTER ADD.  13. Repair/Replacement Activity Construction Code/Edition 1974 EDITION & 1975 WINTER ADDENDA  14. ASME Section XI Code/Edition 1992 EDITION AND 1992 ADDENDA  15. Preservice Inspection Required. YES V NO  16. Initial Date Page 1974 EDITION & 1975 WINTER ADDENDA  17. Preservice Inspection Required. YES V NO
12. Replacement Item Construction or reconciled Code/Edition 1974 EDITION & 1975 WINTER ADD.  13. Repair/Replacement Activity Construction Code/Edition 1974 EDITION & 1975 WINTER ADDENDA  14. ASME Section XI Code/Edition 1992 EDITION AND 1992 ADDENDA  15. Preservice Inspection Required. YES V NO  16. Initial Date Page 1974 EDITION & 1975 WINTER ADDENDA  17. Preservice Inspection Required. YES V NO
13. Repair/Replacement Activity Construction Code/Edition 1974 EDITION & 1975 WINTER ADDENDA  14. ASME Section XI Code/Edition 1992 EDITION AND 1992 ADDENDA  15. Preservice Inspection Required.  16. VES V NO  17. Initial Date  18. Preservice Inspection Required, include a step in the W.O. to perform Preservice Inspection.
14. ASME Section XI Code/Edition 1992 EDITION AND 1992 ADDENDA  15. Preservice Inspection Required.  16. VES NO  17. NO  18. Initial Date  1992 EDITION AND 1992 ADDENDA  1992 INDENDA  1992 INDENDA  1992 Initial NO  1992 Initial Date  1992 EDITION AND 1992 ADDENDA  1992 Initial NO  1992 Initial
15. Preservice Inspection Required.  YES V NO  15. Preservice Inspection Required, include a step in the W.O. to perform Preservice Inspection.
15/30/00 If required, include a step in the W.O. to perform Preservice Inspection.
/Initial Date
IO. MOME OCCUPITATION CONTRACTOR
05/30/00 If required, include a step in the W.O. for ISI & ANII Inspection.
Initial
17. Include a step in the W.O. to complete NIS-2 Form prior to releasing the component.
18. Include a step in the W.O. to record below all applicable numbers for repaired or replaced items.
COMP I.D. PART NO. SERIAL NO. HEAT NO. MR/ROS NO.
N/A N/A N/A N/A N/A
19. Planner Soulange 05/30/00 Print Name J. BOULANGER
Signature Date  OS (20 (00 Drint Name DOLIG HANSEN
Signature Date
21. ANII

PV-E0093 Ver. 4

73DP-9ZZ17

As Required by the Provisions of the ASME Code Section XI

1.	Owner Arizo	na Public Service C	Company, et. al.	•	<del></del> ,	Date05	/24/00	
	<u>P</u> . O. 1	Box 53999, Phoeni	x, Arizona 850	72-2034		Sheet	of	2
2.	Plant Palo V	Verde Nuclear Gene	Address erating Station			Unit	2	
		S. Wintersburg Rd.	Name , Tonopah, Ariz	zona 85354	-7529	009282	19 Work Order Numbe	ſ
3.	·.	ed by <u>Arizona Publ</u>	Address				e Symbol Stam	np None
J.		Box 53999, Phoenix	Name				tion No Date	N/A N/A
			Address		tem ACME C			
4.		of System <u>CH, Cher</u>						Codo Coso
5.	(a) Applicable	Construction Code	Sec. III Cl. 1	19′	/4 Edition, W	7/3 Adde 2 Edition	enda, <u>N/A</u> 1992 Adden	oue case
		Edition of Section X						
6.		of Components Repai	red or Replaced  Manufacturer	and Replace	ement Compoi	nents Year	Repaired,	ASME Code
	Name of Component	Name of Manufacturer	Serial No.	Board No.	Identification	1	Replaced or Replacement	Stamped (Yes or No)
 ,	CHECK VALVE	Borg Warner	57650	N/A	2PCHNV787	1980	Replaced	Yes
	o							
						_		
_				<u></u>			1	
7.	Description of	Work Replaced bo	dy to bonnet se	eal weld due	e to check val	lve inspec	tion program.	<u> </u>
_			Pneumatic		minal Operatir			16-1
8.	Test Conduct			المسر	·		Temp.	
		Exempt V	Other	rressure	psi	ı <del>U</del> S[	τοιπρ	<u> </u>
N	IOTE: Supplem	nental sheets in form	of lists, sketches	s, or drawings	s may be used	I, provided	(1) size is 8 1/	2 x 11 in., red and the

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is a first may be used.

. Business and the control of the control of the control of the control of the control of the control of the cont

CERTIFICATE OF COMPLIANCE  We certify that the statements made in the report are correct and this replacement of the ASME Code, Section XI.  Type Code Symbol Stamp N/A  Certificate of Authorization No. N/A Expiration Date N/A  Signed RLL-BROWN R. Description Date N/A  Certificate of Authorization No. N/A Expiration Date N/A  Signed RLL-BROWN R. Description Date N/A  I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Arizona and employed by HSBI & I CO.  of Hartford, Connecticut have inspected the components described in this Owner's Report during the period Signey to 10 10 10 10 10 10 10 10 10 10 10 10 10		SWMS WO#238
We certify that the statements made in the report are correct and this replacement repair or replacement of the ASME Code, Section XI.  Type Code Symbol Stamp N/A  Certificate of Authorization No. N/A Expiration Date N/A  Signed RL-Brown No. N/A Expiration Date N/A  Li, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Arizona and employed by HSBI & I CO. of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 500 to 10-10-00 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.  By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer 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.		
We certify that the statements made in the report are correct and this replacement of the ASME Code, Section XI.  Type Code Symbol Stamp N/A  Certificate of Authorization No. N/A Expiration Date N/A  Signed RL-Brown No. N/A Expiration Date N/A  I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Arizona and employed by HSBI & I CO.  of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 500 to 10-14-00 have aminations 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 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.		
We certify that the statements made in the report are correct and this replacement repair or replacement of the ASME Code, Section XI.  Type Code Symbol Stamp N/A  Certificate of Authorization No. N/A Expiration Date N/A  Signed RL-Brown No. N/A Expiration Date N/A  I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Arizona and employed by HSBI & I CO. of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 500 to 100 more 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 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 AB 4685 No 1/2 Az 264		
We certify that the statements made in the report are correct and this replacement of the ASME Code, Section XI.  Type Code Symbol Stamp N/A  Certificate of Authorization No. N/A Expiration Date N/A  Signed RL-Brown No. N/A Expiration Date N/A  I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Arizona and employed by HSBI & I CO.  of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 5000 to 10-14-00 have aminations 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 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.		
We certify that the statements made in the report are correct and this replacement of the ASME Code, Section XI.  Type Code Symbol Stamp N/A  Certificate of Authorization No. N/A Expiration Date N/A  Signed RL-Brown No. N/A Expiration Date N/A  I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Arizona and employed by HSBI & I CO. of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 5000 to 1000 mer 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 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 88 4685 No. 1/1 Az. 264		
Type Code Symbol Stamp N/A  Certificate of Authorization No. N/A  Signed RL-Brown No. N/A  Line undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Arizona and employed by HSBI & I CO. of Hartford, Connecticut, have inspected the components described in this Owner's Report during the period 5.30-00 to 10-04-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.  By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer 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.	CERTIFICATE OF CO	MPLIANCE
CERTIFICATE OF INSERVICE INSPECTION  I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Arizona and employed by HSBI & I CO. of Hartford, Connecticut have inspected the components described in this Owner's Report during the period Signary of the Version 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 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 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.		and this <u>replacement</u> conforms to the rule:
CERTIFICATE OF INSERVICE INSPECTION  I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Arizona and employed by HSBI & I CO. of Hartford, Connecticut , have inspected the components described in this Owner's Report during the period 5-30-00 to 10-14-00 , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.  By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.  Commissions 8 9685 "N" 1" Az. 264	oe Code Symbol Stamp 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 the State or Province of Arizona and employed by HSBI & I CO. of Hartford, Connecticut , have inspected the components described in this Owner's Report during the period 5-30-00 to 10-14-00 , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.  By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.  Commissions 8 9685 "N" 1" Az. 264		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 the State or Province of Arizona and employed by HSBI & I CO. of Hartford, Connecticut, have inspected the components described in this Owner's Report during the period 5-30-00 to 10-4-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.  By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.  Commissions 8 8885 % 12 Az. 264	ned R.L-BROWNING RUB 151	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Arizona and employed by HSBI & I CO.  of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 5-30-00 to 10-40-00 had state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.  By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.  Commissions AS 9685 "N" 1" Az 264	Owner or Owner's Designee, Title	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Arizona and employed by HSBI & I CO.  of Hartford, Connecticut, have inspected the components described in this Owner's Report during the period 5-30-00 to 0, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.  By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.  Commissions SS 9685 "N" " Az. 264		ICE INSPECTION
Inspectors and the State or Province of Arizona and employed by HSBI & I CO.  of Hartford, Connecticut , have inspected the components described in this Owner's Report during the period 5-30-00 to 10-4-00 , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.  By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.  Commissions SB 4685 "N" 1" Az. 264		National Board of Boiler and Pressure Vessel
of Hartford, Connecticut, have inspected the components described in this Owner's Report during the period 5-30-00 to 10-14-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.  By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.  Commissions 88 9685 "A" "1" Az. 264	pectors and the State or Province of Arizona and	d employed byHSBI & I CO
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 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 AS 9685 "A" "1" Az. 264	<del></del>	nents described in this Owner's Report during
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 AB 9685 "A" "1" Az. 264	ief, the Owner has performed examinations and taken com	ective measures described in this Owner's
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 AB 9685 "A" "1" Az. 264	port in accordance with the requirements of the ASME Co	de, Section XI.
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 AB 9685 "A" "1" Az. 264		
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   AB 9685 "A" "1" Az. 264	signing this certificate, neither the Inspector nor his emplo	yer makes any warranty, expressed or implied,
damage or a loss of any kind arising from or connected with this inspection.    At A forting   Commissions   AB 9685 "A" "1" Az. 264	ncerning the examinations and corrective measures descri	bed in this Owner's Report. Furthermore,
That & Joyston Commissions NB 9685 "N" "1" Az. 264		
		·
	2 . 1	
Inspector's Signature National Board, State, Province, and Endoisements	Lat & Youstone Commis	
Date Oroser 14 20 ∞	Inspectors Signature	rigidisi posta, otolo, i tornice, and Elizorochiento

		ASME SECTION	ON XI - REPAIR/R	EPLACEMENT	
•	Component ID 2PC	CHNV802	2. Code Clas	s ASME SEC. III C	L1
3.		" CHECK VALVE			<u> </u>
4.	N-5 Package Numb	er 2CH14-2	5. W.O. Numb		
6.	Original Construction	on Code Edition 197	4 EDITION & 1975 WI	NTER ADD.	
7.	Original Installation	Code Edition 1974 I	EDITION & 1975 WINT	ER ADD.	
8.	Work Description	BONNET TO BOL	Y SEAL WELD REPLA	ACED DUE TO CHE	CK VALVE
-	INSPECTION F				
9.	ISI Flaw	NDE Method	of Flaw Detection		
40	Luction of the s	uitability of this work a	Report Numbers per the requirements of I	AW-4150.	
10.	WORK REQUIF	RED FOR VALVE	DISASSEMBLY TO AL	LOW FOR CHECK	VALVE
	INSPECTION.				
11.	Repair/Replacemen	nt Work Organization	APS		DITTER ADD
12.	Replacement Item	Construction or recon	ciled Code/Edition1974	EDITION & 1975 WI	TED ADD
13.	Repair/Replaceme	nt Activity Constructio	n Code/Edition 1974 ED	OTTON & 1975 WINT	EK ADD.
			EDITION & 1992 ADDE		
្ន <b>់</b> 5.	Preservice Inspect	ion Required.			ion.
	Initial Date		e a step in the W.O. to per		
<b>V6</b> .	ASME Section XI F	Pressure Test Require		O ANIII tu and ation	
<del>-</del>	05/31/0		e a step in the W.O. for ISI		
V	Initial Date 03/31/0	0 _ 17. Include a ste	p in the W.O. to complete I	NIS-2 Form prior to relea	asing the component.
	Initial Date		p in the W.O. to record bel		
	05/31/0   Date	replaced iter	ns		
	COMP I.D.	PART NO.	SERIAL NO.	HEAT NO.	MR/ROS NO.
N/A	\	N/A	N/A	N/A	1074
15	). Planner	G. Boular	05/31/00 Date	Print Name JIM B	OULANGER
20	). ISI Engineer	Signature	_	Print Name DOUG	G HANSEN
2	I. ANII 24	1 Figstion	6-6-00	Print NameBOB	HOGSTROM
	. AITH	Signature	Date		73DP-9ZZ1

PV-E0093 Ver. 4

As Required by the Provisions of the ASME Code Section XI

1. (	Owner_Arizoı	na Public Service (	Company, et. al	•		Date05	/31/00	
	P. O. I	Box 53999, Phoeni	x, Arizona 850	72-2034		Sheet	1 of _	2
2. 1	Plant Palo V	erde Nuclear Gen	Address erating Station			Unit	2	
		S. Wintersburg Rd.	Name	zona 85354	-7529	009300	36	
			Address			Type Code	Work Order Number e Symbol Stamp	None
3. \		ed by <u>Arizona Pub</u>	Name		•	Authorizat	tion No	N/A
		Sox 53999, Phoenix	Address			·		I/A
4.	Identification of	System <u>CH, Che</u>	mical Volume (	Control Sys	tem ASME	SEC. III	CL 1	
5.	(a) Applicable	Construction Code	Section III, CL	. 119	$74$ Edition, $\sqrt{8}$	<u>√75</u> Add∈	enda, <u>N/A</u> C	ode Case
	(b) Applicable	Edition of Section X	I Utilized for Rep	airs or Repla	acements 19 <u>9</u>	2_Edition,	1992 Addeno	la
6.	Identification o	f Components Repa	ired or Replaced	and Replac	· · · · · · · · · · · · · · · · · · ·		Domeiro d	ASME Code
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	Stamped (Yes or No)
Sw.	k Valve	Borg Warner	57651	N/A	2PCHNV802	1980	Replaced	Yes
	a				·			
7.	Description of	Work Replaced th	e Body to Bonr	net Seal We	ld for IST in:	spection		
	2000/1940/191		<del>-</del> y				NI 44	61
8. <sup>-</sup>	Test Conducte	ed: Hydrostatic		lamed.	minal Operatir	•	<u>Laurell</u>	6-1
		Exempt $\sqrt{\ }$	Other	Pressure	psi	Test	Temp.	°F
(2)	) information in	ental sheets in form items 1 through 6 or is recorded at the to	n this report is in	s, or drawings cluded on ea	s may be used ach sheet, and	I, provided (3) each s	(1) size is 8 1/2 heet is numbere	x 11 in., ed and the

#### FORM NIS-2 (Back)

		0 24013
	· · · · · · · · · · · · · · · · · · ·	
	······································	
CERTIFICATE OF COMPLIANCE		· · · · · · · · · · · · · · · · · · ·
Ve certify that the statements made in the report are correct and this represent the ASME Code, Section XI.	placement conform	ns to the rule
ype Code Symbol Stamp N/A		
ertificate of Authorization No. N/A	Expiration Date	N/A
igned Liby Charles 15, ENGINEER		10-14-00
Owner or Owner's Designee, Title		
CERTIFICATE OF INSERVICE INSPEC	TION	
the undersigned, holding a valid commission issued by the National Board	of Boiler and Pressย	ıre Vessel
spectors and the State or Province of <u>Arizona</u> and employed by	HSBI & I C	CO.
Hartford, Connecticut , have inspected the components described period, and state that to		
lief, the Owner has performed examinations and taken corrective measure	es described in this C	owner's
eport in accordance with the requirements of the ASME Code, Section XI.		
signing this certificate, neither the Inspector nor his employer makes any	warranty, expressed	or implied.
ncerning the examinations and corrective measures described in this Own	er's Report. Further	more,
ither the Inspector nor his employer shall be liable in any manner for any p mage or a loss of any kind arising from or connected with this inspection.	personal injury or pro	perty
and the state of any time anothing not to controlled with this inspection.		
Lat & Augstion Commissions NB	9685 "N" "1" Az	. 264

		ASME SECTIO	N XI - REF	AIR/RE	PLACEMENT	
4	Component ID 2PC	CHNV866	2. 0	ode Class	ASME SEC. III CI	_1
<b>ა</b> .		" CHECK VALVE				
4.	N-5 Package Numb	er2CH14-2			r 00930563	
6.	Original Constructio	n Code Edition 1974 I	EDITION & 1	975 WIN	TER ADD.	
7.	Original Installation	Code Edition 1974 ED	ITION & 197	5 WINTE	R ADD.	
8.	Work Description	BONNET TO BODY	SEAL WEL	D REPLA	CED DUE TO CHEC	CK VALVE
	INSPECTION P	ROGRAM.				
9.	ISI Flaw					
10	Evaluation of the su	uitability of this work as t	Report Number per the requirer	nents of IA	W-4150.	
10.	WORK REQUIR	ED FOR VALVE DI	SASSEMBL	Y TO ALL	OW FOR CHECK V	ALVE
ı	INSPECTION.					
11.	Repair/Replacemen	nt Work Organization A	PS		TITTONI O 1075 WIR	ATER ADD
12.	Replacement Item (	Construction or reconcile	ed Code/Edition	1974 E	DITION & 1975 WIL	ED ADD
13.	Repair/Replacemer	nt Activity Construction C	Code/Edition	1974 EDI	TON & 19/3 WINI	ER ADD.
		ode/Edition 1992 ED				
15.	Preservice Inspection	on Required.	YES	NO 🔽		nn
1	Initial Date	) If required, include a				
<b>Y</b> 6.	ASME Section XI P	ressure Test Required		V NO		
-4		) If required, include a	a step in the W	O. for ISI &	ANII Inspection.	
$\bigcup$	Initial Date 03/31/00	) 17. Include a step i	n the W.O. to c	omplete NI	S-2 Form prior to releas	sing the component.
	Initial Date				v all applicable numbers	
(	05/31/00 Initial Date	replaced items.	n the vv.o. to r			
~	COMP I.D.	PART NO.	SERIAL		HEAT NO.	MR/ROS NO.
N/A		N/A	N/A		N/A	N/A
_						
<u> </u>						
10	. Planner	16.1.		05/31/00	Print Name JIM BO	OULANGER
. <sub>'</sub> 9	. Flamici	Signature		Date		
20	. ISI Engineer	Signature		6-6-00 Date	Print Name <u>DOUG</u>	HAHIOLIN
21	. ANII Za A	Instime		6-6-00	Print Name BOB H	OGSTROM
- '	. / 11111	Signature		Date		73DP-9ZZ17

PV-E0093 Ver. 4

As Required by the Provisions of the ASME Code Section XI

1.	1. Owner Arizona Public Service Company, et. al.						5/31/00		
	P. O. I	Box 53999, Phoeni		Sheet	of				
	70 1 1	L. Navalage Comp	Į	Unit	2				
2.	Plant Palo V	erde Nuclear Gene	Name						
	5801 5	S. Wintersburg Rd.	, Tonopah, Ariz	zona 85354	-7529	009305	Work Order Number		
3.	Work Performe	ed by <u>Arizona Publ</u>	ic Service Con	npany, et al			e Symbol Stamp		
•			Name			Authorization No. N/A  Expiration Date N/A			
	<u>P.O. E</u>	Sox 53999, Phoenix	Address Address	72-2034		Expiration	Date		
<b>4</b> .	Identification o	f System <u>CH, Cher</u>	nical Volume (	Control Sys	tem ASME S	EC. III	CL 1	<del> </del>	
5.	(a) Applicable	Construction Code_	Section III, CL	, 1 19	74 Edition, $W$	<u>75</u> Add	enda, <u>N/A</u> C	ode Case	
	(b) Applicable	Edition of Section X	Utilized for Rep	airs or Repla	acements 19 <u>92</u>	_Edition,	1992 Addend	la	
		f Components Repai							
6.			Manufacturer	National	Other	Year	Repaired,	ASME Code	
	Name of Component	Name of Manufacturer	Serial No.	Board No.	Identification	Built	Replaced or Replacement	Stamped (Yes or No)	
ie	eck Valve	Borg Warner	57654	N/A	2PCHNV866	1980	Replaced	Yes	
	,,								
			·						
-									
	7. Description of Work Replaced the Body to Bonnet Seal Weld for IST inspection								
7.	Description of	Work Replaced th	e Body to Boni	net Seal We	eiu ior isi ins	pection			
8. <sup>-</sup>	8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure N-416-1								
		Exempt 🗸	Other	Pressure	psi	Test	Temp.	°F	
١	NOTE: Supplem	ental sheets in form	of lists, sketches	s, or drawing	s may be used,	provided	(1) size is 8 1/2	x 11 in.,	

(2) information in items 1 through 6 on this 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.

emarks _	Body to bonnet seal weld replaced due to check valve inspection program. WO#930563
	SWMS WO #
	24066/
	CERTIFICATE OF COMPLIANCE
	that the statements made in the report are correct and this replacement conforms to the rules
	that the statements made in the report are correct and this <u>replacement</u> conforms to the rules IE Code, Section XI.
Гуре Cod	Symbol Stamp N/A
	of Authorization No. N/A Expiration Date N/A
Certificate	<u> </u>
	of Authorization No. IN/A  Library IN/A  Date 10/14/00  Owner or Owner's Designee, Title
	BORNALDE ALB 151 ENG Date 10/14/00
Signed <u><i>Ra</i></u>	CERTIFICATE OF INSERVICE INSPECTION
Signed <u>Ra</u>	CERTIFICATE OF INSERVICE INSPECTION  ersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel and the State or Province of Arizona and employed by HSBI & I CO.
Signed <u>Re</u>	CERTIFICATE OF INSERVICE INSPECTION  Persigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel and the State or Province of Arizona and employed by HSBI & I CO.  Setford Connecticut have inspected the components described in this Owner's Report during
I, the under the	CERTIFICATE OF INSERVICE INSPECTION  ersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel and the State or Province of Arizona and employed by HSBI & I CO.  etford, Connecticut have inspected the components described in this Owner's Report during and state that to the best of my knowledge and
I, the undo	CERTIFICATE OF INSERVICE INSPECTION  Persigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel and the State or Province of Arizona and employed by HSBI & I CO.  Interfered, Connecticut have inspected the components described in this Owner's Report during to to to to to to to to to to to to to
I, the undo	CERTIFICATE OF INSERVICE INSPECTION  ersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel and the State or Province of Arizona and employed by HSBI & I CO.  etford, Connecticut have inspected the components described in this Owner's Report during and state that to the best of my knowledge and
I, the undo	CERTIFICATE OF INSERVICE INSPECTION  Persigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel and the State or Province of Arizona and employed by HSBI & I CO.  Interford, Connecticut have inspected the components described in this Owner's Report during to I Co-I Component of the Assistant of the best of my knowledge and Owner has performed examinations and taken corrective measures described in this Owner's accordance with the requirements of the ASME Code, Section XI.
I, the undinspectors of Harthe period belief, the Report in	CERTIFICATE OF INSERVICE INSPECTION  Persigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel and the State or Province of Arizona and employed by HSBI & I CO.  Interford, Connecticut have inspected the components described in this Owner's Report during and state that to the best of my knowledge and Owner has performed examinations and taken corrective measures described in this Owner's accordance with the requirements of the ASME Code, Section XI.  This certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, on the examinations and corrective measures described in this Owner's Report. Furthermore,
I, the undo Inspectors of Ha the period belief, the Report in  By signing	CERTIFICATE OF INSERVICE INSPECTION  Persigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel and the State or Province of Arizona and employed by HSBI & I CO.  Interford, Connecticut have inspected the components described in this Owner's Report during and state that to the best of my knowledge and Owner has performed examinations and taken corrective measures described in this Owner's accordance with the requirements of the ASME Code, Section XI.  In this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, by the examinations and corrective measures described in this Owner's Report. Furthermore, a Inspector nor his employer shall be liable in any manner for any personal injury or property
i, the under the period belief, the Report in By signing concerning the period concernin	CERTIFICATE OF INSERVICE INSPECTION  Persigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel and the State or Province of Arizona and employed by HSBI & I CO.  Stord, Connecticut have inspected the components described in this Owner's Report during and state that to the best of my knowledge and Owner has performed examinations and taken corrective measures described in this Owner's accordance with the requirements of the ASME Code, Section XI.
i, the under the period belief, the Report in By signing concerning the period concernin	CERTIFICATE OF INSERVICE INSPECTION  Persigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel and the State or Province of Arizona and employed by HSBI & I CO.  Interford, Connecticut have inspected the components described in this Owner's Report during and state that to the best of my knowledge and Owner has performed examinations and taken corrective measures described in this Owner's accordance with the requirements of the ASME Code, Section XI.  In this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, by the examinations and corrective measures described in this Owner's Report. Furthermore, a Inspector nor his employer shall be liable in any manner for any personal injury or property
I, the undo Inspectors of Ha the period belief, the Report in  By signing	CERTIFICATE OF INSERVICE INSPECTION  Persigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel and the State or Province of Arizona and employed by HSBI & I CO.  Interford, Connecticut have inspected the components described in this Owner's Report during and state that to the best of my knowledge and Owner has performed examinations and taken corrective measures described in this Owner's accordance with the requirements of the ASME Code, Section XI.  In this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, by the examinations and corrective measures described in this Owner's Report. Furthermore, a Inspector nor his employer shall be liable in any manner for any personal injury or property

	ASME SECTION	ON XI - REPAIR/I	REPLACEMENT						
1. Component ID 2M	RCEE01A	2. Code Cl	ass ASME SECTION I	II, CLASS I					
•	ΓΕΑΜ GENERATOR #1								
1	4. N-5 Package Number 2RC01-IA 5. W.O. Number 2304778								
· · · · · · · · · · · · · · · · · · ·	6. Original Construction Code Edition 1971 EDITION & 1973 WINTER ADDENDA								
	Code Edition 1974 EDIT								
	NSTALL CE ROLL PLU			NG-DFWO					
2. ************************************	304440 EVALUATION	AND DISPOSITION.							
9. ☑ ISI Flaw	NDF M	ethod of Flaw Detection	EDDY CURRENT						
9. 🔁 ioi Flaw	NOL III		R09 EDDY CURRENT E	EXAM. REPORT					
10 Evaluation of the s	uitability of this work as po	• •							
	PER ENG-DFWO 230444								
44 Dansir/Danlasama	nt Work Organization _CF	7							
	Construction or reconciled		ITION & 1973 WINTER	ADDENDA					
	nt Activity Construction Co			<u> </u>					
14. ASME Section XI	Code/Edition 1992 EDIT		_						
15. Preservice Inspec			YES NO						
Initial Plate	If required, include	e a step in the W.O. to pe	erform Preservice Inspect	ion.					
16 ASMF Section XI F	Pressure Test Required	□ Y	ES 🗹 NO						
09/19/		a step in the W.O. for IS	I & ANII Inspection.						
Initial Date 09/19			NIS-2 Form prior to release	asing the component.					
Initial Date ()9/19			low all applicable numbe						
Initial Date		tems.							
ITEM I.D.	PART NO.	SERIAL NO. SEE ATTACHED LIST	HEAT NO. SEE ATTACHED LIST	MR/ROS NO. SEE ATTACHED LIST					
TUBE PLUGS	SEE ATTACHED LIST	SEE ATTACHED LIST	SEE ATTACHED LIST	SEE TITTIES SEE					
	•								
19. Planner	Wander		Name <u>ALEX P. WAICE</u>	LUNAS					
	Signature	Date	NI DANKAKANIT D	INIT) A D					
). ISI Engineer	Signature	Print	Name <u>RAMAKANT P.</u>	INDAF					
21. ANII 27	A System	9-21-00 Print	Name <u>ROBERT G. HO</u>	GSTROM					
	Signature	Date		73DP-9ZZ17					
PV-E0093 Ver. 6				7307-32217					

en la companya de la companya de la companya de la companya de la companya de la companya de la companya de la

As Required by the Provisions of the ASME Code Section XI

1. Owner <u>Arizona I</u>	Date		11/01/00					
P.O. Box	Sheet	1	of	2				
2. Plant Palo Verd	Unit		22					
5801 S. Wintersburg Rd., Tonopah, Arizona 85354-7529								
3 Work Parformed h		Type Co	de Syn	abol Stamp	None			
Name							o. <u>N</u>	
911 W. N	Aain St., Chattano	oga, TN 3740	2		Expiratio	n Date	N/2	A
4. Identification of Cur	Danatan C	<sub>ddress</sub> oolant						
4. Identification of Sys	Stern		11 +0.71 :	حمندنات	XX!!72	Adda	nda NA	Code Case
	estruction Code ASM							
(b) Applicable Edit	tion of Section XI Utiliz	ed for Hepairs or	Replacemen	115 19	<u>92</u> Eun		1992 Adder	, Gu
6. Identification of Co	mponents Repaired o	r Replaced and R	leplacement (	Compo	nents			
Name of Item	Name of Manufacturer	Manufacturer Serial No.	National Board No.	_	ther tification	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)
Steam Generator	CE	79273-1	NA	2MR	CEE01A	1979	Repaired	Yes
Tube Plugs	CE	*	NA		*	2000	Replacement	No
.5								
				<u></u>	<del> </del>	L		
7. Description of Wor	k Plug SG (2MR)	CEE01A) Cold	l Leg tubes	per I	DIWO 23	30477	8. See attache	d list.
8. Test Conducted:	Hydrostatic	Pneumatic 🔲	Nominal Op	erating	Pressure		Exempt 🗹	N-416-1 🔲
	Other	Pressure	psi			Test T	emp.	_°F
(2) information in it	ntal sheets in form o tems 1 through 6 on ets is recorded at th	this report is in	icluded on e	s may ach sl	be used heet, and	, provi (3) ea	ded (1) size is l ach sheet is nur	3 1/2 x 11 in., mbered and

Remar	ks <u>:</u>	See DFWO 2304440	for tubes plugged	l (plugging list at	ached),	
	-					
	_					
	·····		CERTIFICAT	E OF COMPL	IANCE	
	•	that the statements n ME Code, Section XI.				orms to the rule
Type	Code	le Symbol Stamp	N/A			
Certifi	cate	e of Authorization No.	N/A		Expiration Date	N/A
Signe	d <u></u>	RPIndap	Consult	ing Met.	Engineer Date 1	1-01-00
		Û	Owner or Owner's Design	gnee, Title		
		U	Owner or Owner's Desi	gnee, Titte		
		J		INSERVICE II		
I, the units of I the pe	inde tors <u>Tart</u>	CER' ersigned, holding a value and the State or Provinced Connecticut	TIFICATE OF  id commission is  vince of Arizor , have inspected to	INSERVICE II sued by the Nationa and employed the components , and sta		Pressure Vesse I CO. 's Report during knowledge and
I, the units inspect of I the perbeller,	inde tors <u>Fart</u> riod	CER' ersigned, holding a value and the State or Provinced Connecticut	TIFICATE OF  id commission is vince of Arizon, have inspected to \( \ldots \cdot 2 - \infty \) I examinations ar	sued by the Nationa and employed the components and taken correctives.	NSPECTION  nal Board of Boiler and the distribution of the described in this Owner that to the best of my the measures described in the section of the measures described in the section of the section of the measures described in the section of th	Pressure Vesse I CO. 's Report during knowledge and
I, the units in the period ofI the period belief, Report By sign concernithe	inde tors <u>Farth</u> riod the tin a	ersigned, holding a value and the State or Proving the Connecticut  9-2(-00)  Owner has performed accordance with the resigned the examinations and the content of the examinations and the content of the examinations and the content of the examinations and the content of the examinations and the content of the examinations and the content of the examinations and the content of the content of the examinations and the content of the content	TIFICATE OF  id commission is vince of Arizon, have inspected to 11-02-04 lexaminations are equirements of the er the Inspector in discorrective mean ployer shall be list	sued by the National and employed the components and taken corrective ASME Code, Sor his employer materials described in able in any manners.	NSPECTION  nal Board of Boiler and d by HSBI & described in this Owner at that to the best of my e measures described in ection XI.  nakes any warranty, expensive this Owner's Report. For for any personal injury	Pressure Vesse I CO. 's Report during knowledge and this Owner's ressed or implie
I, the units in the period ofI the period belief, Report By sign concernithe	inde tors <u>Farti</u> riod tin a ning ming r the	cersigned, holding a value and the State or Provinced. Connecticut	TIFICATE OF  id commission is vince of Arizon, have inspected to 10-02-04 lexaminations are equirements of the er the Inspector new discorrective mean ployer shall be list sing from or consistency.	sued by the National and employed the components and taken corrective ASME Code, So or his employer materials described in any manner meeted with this interested with this interested.	NSPECTION  nal Board of Boiler and d by HSBI & described in this Owner at that to the best of my e measures described in ection XI.  nakes any warranty, expensive this Owner's Report. For for any personal injury	Pressure Vesse I CO. 's Report during knowledge and this Owner's ressed or implie Furthermore, or property

# STEAM GENERATOR 2MRCEE01A "COLD LEG"

#### WORK ORDER 2304778

AS		XI – REPAIR /	,	
COMP. ID	PART NO.	SERIAL NO.	HEAT NO.	MR NO.
2MRCEE01A	0307-1601	8797	J-9161-5	470466
R67 / L12				
2MRCEE01A	0307-1601	8800	J-9161-5	470466
R120 / L49				150166
2MRCEE01A	0307-1601	8798	J-9161-5	470466
R43/ L50			7.0161.5	470466
2MRCEE01A	0307-1601	8796	J-9161-5	470466
R120 / L59	0007.1601	0015	J-9161-5	470466
2MRCEE01A	0307-1601	8915	J-9101-2	470400
R39 / L64	0007.1601	9016	J-9161-5	470466
2MRCEE01A	0307-1601	8916	J-9101-2	470400
R43 / L70	0207.1601	8917	J-9161-5	470466
2MRCEE01A	0307-1601	8917	J-9101-3	470100
R68 / L75	0307-1601	8795	J-9161-5	470466
2MRCEE01A R140 / L77	0307-1001	8795	J-9101 3	.,,,,,,
2MRCEE01A	0307-1601	8918	J-9161-5	470466
R116 / L79	0307-1001		. , , , , ,	
2MRCEE01A	0307-1601	8919	J-9161-5	470466
R75 / L80	0507 1501			
2MRCEE01A	0307-1601	8920	J-9161-5	470466
R125 / L80				
2MRCEE01A	0307-1601	8921	J-9161-5	470466
R61 / L82				
2MRCEE01A	0307-1601	8922	J-9161-5	470466
R127 / L86				
2MRCEE01A	0307-1601	9099	J-9161-5	470466
R133 / L86				100155
2MRCEE01A	0307-1601	9100	J-9161-5	470466
R73 / L88			7.01(1.5	470466
2MRCEE01A	0307-1601	8794	J-9161-5	470400
R113 / L90	0007.1601	9012	J-9161-5	470466
2MRCEE01A	0307-1601	8913	J-9101-J	470400
R80 / L95	0207.1601	8905	J-9161-5	470466
2MRCEE01A	0307-1601	8903	J-7101-3	470100
R133 / L102	0307-1601	8904	J-9161-5	470466
2MRCEE01A R124 / L107	0307-1001	3704	, , 101 5	.,,
2MRCEE01A	0307-1601	8903	J-9161-5	470466
R49 / L112	0507-1001			
2MRCEE01A	0307-1601	8907	J-9161-5	470466
R144 / L117				
2MRCEE01A	0307-1601	8908	J-9161-5	470466
R63 / L118				
2MRCEE01A	0307-1601	8909	J-9161-5	470466
R135 / L118				
2MRCEE01A	0307-1601	8910	J-9161-5	470466
R63 / L120	1			

# STEAM GENERATOR 2MRCEE01A "COLD LEG"

1	8902	J-9161-5	470466
	0006	10161.5	470466
-	8906	1-9101-5	470400
	0011	T 0161 5	470466
_	8911	J-9101-3	470400
	0010	T 0161 5	470466
- I I	8912	1-3101-2	470400
			470466
0307-1601	8901	J-9161-5	4 / 0400
			450466
0307-1601	8914	J-9161-5	470466
	8793	J-9161-5	470466
		<u> </u>	
0307-1601	8799	J-9161-5	470466
0307-1001	0		
0307-1601	9962	J-9162-2	470466
"	7702		
	8740	J-9161-5	470466
- :	0/40	J-5101 3	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	00/0	T 0162.2	470466
- 1	9909	J-9102-2	470100
The state of the s		Y 01/02 2	470466
A 0307-1601	9963	J-9162-2	470400
		70162	470466
0307-1601	9965	J-9162-2	470466
			450.466
A 0307-1601	9966	J-9162-2	470466
	9964	J-9162-2	470466
0307-1601	9970	J-9162-2	470466
-   '			
	9967	J-9162-2	470466
3 0307-1001	7707		
0207.1601	9750	I-9161-5	470466
- 1	8730	J-5101 5	7,5,75
	0740	I_0161_5	470466
·-	8/49	1-3101-2	7,0100
	0720	10161 5	470466
' <del>-</del>	8739	J-2101-2	770400
	20.50	X 01/2 2	470466
·-	9968	J-9162-2	470400
			470466
	9787	J-9162-2	470466
A 0307-1601	9782	J-9162-2	470466
A 0307-1601	9786	J-9162-2	470466
	9788	J-9162-2	470466
· =			
A 0307-1601	9781	J-9162-2	470466
W 1 0301-1001	7.01	1	Ì
1			1
A 0307-1601	9783	J-9162-2	470466
	A 0307-1601 A 0307-1601	A 0307-1601 8906 A 0307-1601 8911 A 0307-1601 8912 A 0307-1601 8914 A 0307-1601 8914 A 0307-1601 8793 A 0307-1601 8799 A 0307-1601 8799 A 0307-1601 9962 A 0307-1601 9969 A 0307-1601 9969 A 0307-1601 9963 A 0307-1601 9965 A 0307-1601 9966 A 0307-1601 9966 A 0307-1601 9967 A 0307-1601 9967 A 0307-1601 9967 A 0307-1601 8750 A 0307-1601 8749 A 0307-1601 8749 A 0307-1601 9968 A 0307-1601 9968 A 0307-1601 9968 A 0307-1601 9968 A 0307-1601 99787 A 0307-1601 99787 A 0307-1601 9786 A 0307-1601 9786	A 0307-1601 8906 J-9161-5 A 0307-1601 8911 J-9161-5 A 0307-1601 8912 J-9161-5 A 0307-1601 8901 J-9161-5 A 0307-1601 8914 J-9161-5 A 0307-1601 8793 J-9161-5 A 0307-1601 8799 J-9161-5 A 0307-1601 8799 J-9161-5 A 0307-1601 9962 J-9162-2 A 0307-1601 9969 J-9162-2 A 0307-1601 9969 J-9162-2 A 0307-1601 9966 J-9162-2 A 0307-1601 9966 J-9162-2 A 0307-1601 9967 J-9162-2 A 0307-1601 9967 J-9162-2 A 0307-1601 9967 J-9162-2 A 0307-1601 8749 J-9161-5 A 0307-1601 8749 J-9161-5 A 0307-1601 8749 J-9161-5 A 0307-1601 8749 J-9161-5 A 0307-1601 8749 J-9161-5 A 0307-1601 8749 J-9161-5 A 0307-1601 9968 J-9162-2 A 0307-1601 9968 J-9162-2 A 0307-1601 9787 J-9162-2 A 0307-1601 9968 J-9162-2 A 0307-1601 9787 J-9162-2 A 0307-1601 9787 J-9162-2 A 0307-1601 9786 J-9162-2

# STEAM GENERATOR 2MRCEE01A "COLD LEG"

	0.550	T 0162 2	470466
0307-1601	9778	J-9162-2	470100
		101602	470466
0307-1601	9779	J-9162-2	470400
	·	10162.2	470466
0307-1601	9777	J-9162-2	470400
		1	470466
0307-1601	9776	J-9162-2	470400
		1	470466
0307-1601	9772	J-9162-2	470400
			470466
0307-1601	9774	J-9162-2	470466
			470466
0307-1601	9775	J-9162-2	470466
			470466
0307-1601	9773	J-9162-2	470466
			470466
0307-1601	9771	J-9162-2	470466
			470466
0307-1601	9784	J-9162-2	470466
			170166
0307-1601	9785	J-9162-2	470466
	0307-1601 0307-1601 0307-1601 0307-1601 0307-1601 0307-1601	0307-1601       9779         0307-1601       9777         0307-1601       9776         0307-1601       9772         0307-1601       9774         0307-1601       9775         0307-1601       9773         0307-1601       9784	0307-1601       9779       J-9162-2         0307-1601       9777       J-9162-2         0307-1601       9776       J-9162-2         0307-1601       9772       J-9162-2         0307-1601       9774       J-9162-2         0307-1601       9775       J-9162-2         0307-1601       9773       J-9162-2         0307-1601       9771       J-9162-2         0307-1601       9784       J-9162-2

	ASME SECTI	ON XI - REPAIR/	REPLACEMENT						
1. Component ID 2M	RCEE01A	2. Code C	lass ASME SECTION I	II, CLASS 1					
3. Item Description ST	TEAM GENERATOR #1								
4. N-5 Package Numb	er 2RC01-1A	5. W.O. Nu	ımber <u>2304792</u>						
6. Original Constructio	n Code Edition 1971 EI	DITION & 1973 WINTE	R ADDENDA						
7. Original Installation	Code Edition 1974 EDI	TION & 1975 WINTER	ADDENDA						
8. Work Description In	8. Work Description INSTALL CE ROLL PLUGS IN 2MRCEE01A HOT LEG TUBES PER ENG-DFWO 2304457 EVALUATION AND DISPOSITION.								
9. 🗹 ISI Flaw	NDE M	lethod of Flaw Detection	EDDY CURRENT						
		Report Number 2	R09 EDDY CURRENT E	EXAM. REPORT					
	uitability of this work as p ER ENG-DFWO 230445		W-4150.						
•	nt Work Organization <u>Cl</u>								
12. Replacement Item (	Construction or reconcile	d Code/Edition 1971 ED	ITION & 1973 WINTER	ADDENDA					
13. Repair/Replacemen	nt Activity Construction Co	ode/Edition 1974 EDITI	ON & 1975 WINTER AL	DDENDA					
4. ASME Section XI C	ode/Edition 1992 EDIT	ION & 1992 ADDENDA	1						
15. Preservice Inspecți	ion Required.	☐ Y	res 🗹 no						
Initial Plate	(SO) If required, include	e a step in the W.O. to pe	erform Preservice Inspect	ion.					
16. ASME Section XI P	ressure Test Required	☐ Y	ES 🗹 NO						
der 09/19/0	00 If required, include	a step in the W.O. for IS	I & ANII Inspection.						
Initlat Date ()9/19/6	00 17. Include a step	in the W.O. to complete	NIS-2 Form prior to relea	sing the component.					
Initial Date 09/19/0	00 18. Include a step replacement if		low all applicable number	rs for repaired or					
ITEM I.D.	PART NO.	SERIAL NO.	HEAT NO.	MR/ROS NO.					
TUBE PLUGS	SEE ATTACHED LIST	SEE ATTACHED LIST	SEE ATTACHED LIST	SEE ATTACHED LIST					
	, 2	9-19-00 Print N	11512 5 37/1/051	TDIAC					
19. Planner Aug 1	Signature	Date Print	Name ALEX P. WAICE	LUNAS					
). ISI Engineer 📆	Friday Signature	Print Pate	Name <u>RAMAKANT P. I</u>	NDAP					
21. ANII 4	Lystine	9-21-00 Print 1	Name ROBERT G. HOG	STROM					
	Signature	Date		7000 07717					

As Required by the Provisions of the ASME Code Section XI

1. Owner <u>Arizona</u>	Public Service Co	mpany, et. al.			Date		11/01/00	
<u>P.O. Box</u>	x 53999, Phoenix,	Sheet_	1	of	2			
2. Plant Palo Ver	Unit2							
	Wintersburg Rd., โ	Tonopah, Arizo					2304792 Work Order Number	
	A	ddress						
3. Work Performed b	y ABB-CE	lame					nbol Stamp	
	Authoriz	ation N	o. <u>N</u>					
911 W. I	Main St., Chattano	oga, TN 3740	)2		Expiration	n Date	N/.	A
4. Identification of Sy	Panatar C					<del></del>		
		er cook III. C	11 +071 (	Edition	XX <i>I</i> 172	Adda	unda NA	Code Case
	nstruction Code <u>ASN</u>							
(b) Applicable Edi	tion of Section XI Utiliz	red for Repairs or	r Replacemen	nts 19	<u>92</u> Edit	tion, _	1992 Adder	nda
6. Identification of Co	omponents Repaired o	r Replaced and R	leplacement (	Compoi	nents			
Nimma	Name of	Manufacturer	National	0	ther	Year	Repaired	ASME Code
Name of Item	Manufacturer	Serial No.	Board No.	Identi	ification	Built	or Replacement	Stamped (Yes or No)
Steam Generator	CE	79273-1	NA	l		i	Repaired	Yes
Tube Plugs	CE	*	NA		*	2000	Replacement	No
,,								
	L	<u> </u>	<u> </u>	<u> </u>		L	l	
7. Description of Wor	k Plug SG (2MRC	CEE01A) Hot	Leg tubes p	er DI	WO 236	04792	. See attached	list.
8. Test Conducted:	Hydrostatic F	Pneumatic 🔲	Nominal Ope	erating	Pressure		Exempt 🗹	N-416-1 🔲
	Other	Pressure	psi			Test T	emp	_°F
(2) information in it	ntal sheets in form o tems 1 through 6 on ets is recorded at th	this report is in	cluded on ea	s may ach sh	be used eet, and	, provi (3) ea	ded (1) size is t ch sheet is nur	3 1/2 x 11 in., nbered and

73DP-9ZZ17

Remarks	See DFWO 2304457 for tubes plugged (pluggin	g list attached).
	CERTIFICATE OF C	OMPLIANCE
	ertify that the statements made in the report are corre	ect and this repair conforms to the rule
Type C	Code Symbol Stamp N/A	
Certifica	cate of Authorization No. N/A	Expiration Date NA
Signed	cate of Authorization No	ef-Engineer Date 11-01-02
	Owner or Owner's Designee, Title	
	CERTIFICATE OF INSER	
I, the ur Inspect of <u>H</u> the peri belief, th		In this owner's and state that to the best of my knowledge and state measures described in this Owner's Report during and state that to the best of my knowledge and corrective measures described in this Owner's
I, the ur Inspecto of Hithe peri belief, the Report	CERTIFICATE OF INSERVANCE of Indersigned, holding a valid commission issued by the state of Province of Arizona and examinations and taken of Inspected the commission issued by the Owner has performed examinations and taken of Inspected the Inspected the Owner has performed examinations and taken of Inspected the Inspected the Owner has performed examinations.	re National Board of Boiler and Pressure Vesse employed by HSBI & I CO.  connents described in this Owner's Report during and state that to the best of my knowledge and corrective measures described in this Owner's Code, Section XI.  ployer makes any warranty, expressed or implied scribed in this Owner's Report. Furthermore, by manner for any personal injury or property

#### WORK ORDER <u>2304792</u>

	<b>ASME SECTION</b>	XI – REPAIR /	REPLACEMEN	NT
COMP. ID	PART NO.	SERIAL NO.	HEAT NO.	MR NO.
2MRCEE01A	0307-1601	9769	J-9162-2	470466
R67 / L12	•			
2MRCEE01A	0307-1601	9770	J-9162-2	470466
R120 / L49				
2MRCEE01A	0307-1601	9768	J-9162-2	470466
R43/L50				
2MRCEE01A	0307-1601	9764	J-9162-2	470466
R120 / L59				170166
2MRCEE01A	0307-1601	9760	J-9162-2	470466
R39/L64				470466
2MRCEE01A	0307-1601	9759	J-9162-2	470466
R43 / L70			7.01.60	470466
2MRCEE01A	0307-1601	9780	J-9162-2	470466
R68 / L75			Y 01/1 5	470466
2MRCEE01A	0307-1601	9096	J-9161-5	470400
R140 / L77			101616	470466
2MRCEE01A	0307-1601	9094	J-9161-5	470400
R116/L79			7.01/(1.6	470466
2MRCEE01A	0307-1601	9093	J-9161-5	470400
R75/L80			J-9161-5	470466
2MRCEE01A	0307-1601	9097	J-9161-5	470400
R125 / L80		2005	J-9161-5	470466
2MRCEE01A	0307-1601	9095	J-9161-3	470400
R61/L82		0000	J-9161-5	470466
2MRCEE01A	0307-1601	9098	<b>J-9101-3</b>	470400
R127 / L86		0070	J-9161-5	470466
2MRCEE01A	0307-1601	9079	J-9101-3	470100
R133 / L86	2007 1/01	9081	J-9161-5	470466
2MRCEE01A	0307-1601	9081	J-9101-3	470100
R73 / L88	0207.1601	9087	J-9161-5	470466
2MRCEE01A	0307-1601	9007	J-9101 5	.,,
R113 / L90	0307-1601	9074	J-9161-5	470466
2MRCEE01A	0307-1001	7074		
R80 / L95	0307-1601	9073	J-9161-5	470466
2MRCEE01A	l .	7073		
R133 / L102		9072	J-9161-5	470466
2MRCEE01A R124 / L107	-	70,2		
2MRCEE01A		9758	J-9162-2	470466
R49 / L112	0307-1001	1	1	
2MRCEE01A	0307-1601	9064	J-9161-5	470466
R144 / L117	- I			
2MRCEE01A		9080	J-9161-5	470466
R63 / L118	0507-1001			
2MRCEE01	0307-1601	9063	J-9161-5	470466
R135 / L118	<del>-</del>			
2MRCEE01		9089	J-9161-5	470466
R63 / L120	0507-1001			

2MRCEE01A R134 / L123	0307-1601	9061	J-9161-5	470466
2MRCEE01A R65 / L124	0307-1601	9070	J-9161-5	470466
2MRCEE01A	0307-1601	9060	J-9161-5	470466
R135 / L124 2MRCEE01A	0307-1601	9058	J-9161-5	470466
R125 / L126 2MRCEE01A	0307-1601	9057	J-9161-5	470466
R122 / L131 2MRCEE01A	0307-1601	9056	J-9161-5	470466
R110 / L145 2MRCEE01A	0307-1601	9052	J-9161-5	470466
R9 / L184 2MRCEE01A	0307-1601	9051	J-9161-5	470466
R6 / L189 2MRCEE01A	0307-1601	9077	J-9161-5	470466
R104 / L39 2MRCEE01A	0307-1601	9076	J-9161-5	470466
R114 / L45 2MRCEE01A	0307-1601	9075	J-9161-5	470466
R129 / L46 2MRCEE01A	0307-1601	9078-	J-9161-5	470466
R126 / L49 2MRCEE01A	0307-1601	9086	J-9161-5	470466
R101 / L50 2MRCEE01A	0307-1601	9091	J-9161-5	470466
R107 / L50 2MRCEE01A	0307-1601	9085	J-9161-5	470466
R89 / L52 2MRCEE01A	0307-1601	9092	J-9161-5	470466
R127 / L56 2MRCEE01A	0307-1601	9082	J-9161-5	470466
R89 / L60 2MRCEE01A	0307-1601	9088	J-9161-5	470466
R125 / L68 2MRCEE01A	0307-1601	9055	J-9161-5	470466
R73 / L144 2MRCEE01A	0307-1601	9053	J-9161-5	470466
R75 / L162 2MRCEE01A	0307-1601	9054	J-9161-5	470466
R79 / L162 2MRCEE01A	0307-1601	9762	J-9162-2	470466
R36 / L21 2MRCEE01A	0307-1601	9763	J-9162-2	470466
R69 / L24 2MRCEE01A	0307-1601	9767	J-9162-2	470466
R104 / L25 2MRCEE01A	0307-1601	9766	J-9162-2	470466
R127 / L40 2MRCEE01A	0307-1601	9765	J-9162-2	470466
R97 / L50 2MRCEE01A	0307-1601	9084	J-9161-5	470466
2MRCEE01A R70 / L65	0307-1601	9084	J-9101-3	470400

2MRCEE01A	0307-1601	9071	J-9161-5	470466
, R147 /L102				
2MRCEE01A	0307-1601	9090	J-9161-5	470466
R124 / L117				
2MRCEE01A	0307-1601	9059	J-9161-5	470466
R136 / L125				
2MRCEE01A	0307-1601	9065	J-9161-5	470466
R141 / L128				
2MRCEE01A	0307-1601	9069	J-9161-5	470466
R89/L132				
2MRCEE01A	0307-1601	9066	J-9161-5	470466
R124 / L133				150166
2MRCEE01A	0307-1601	9062	J-9161-5	470466
R142 / L133				150166
2MRCEE01A	0307-1601	9067	J-9161-5	470466
R110 /L153				150166
2MRCEE01A	0307-1601	9068	J-9161-5	470466
R70 / L155				170166
2MRCEE01A	0307-1601	9761	J-9162-2	470466
R3 / L56				150166
2MRCEE01A	0307-1601	9077	J-9161-5	470466
R69 / L64				466000
2MRCEE01A	0307-2801	FR-108	J-9161-5	466909
** R38 / L93			1	

<sup>\*\*</sup> Rail Plug installed at this location.

	ASME SECTI	ON XI - REPAIR/	REPLACEMENT	
1. Component ID 2M	RCEE01B	2. Code Cl	ass ASME SECTION I	II, CLASS 1
•	EAM GENERATOR #2			
4. N-5 Package Numbe	er 2RC01-1A	5. W.O. Nu	mber <u>2304796</u>	
6. Original Construction	n Code Edition 1971 ED	DITION & 1973 WINTER	R ADDENDA	
		TION & 1975 WINTER.		
8. Work Description IN	ISTALL CE ROLL PLU 304461 EVALUATION .	GS IN 2MRCEE01B CC	OLD LEG TUBES PER E	NG-DFWO
	JOHN LVALUATION	AND DISTOSTITOT.		
			EDDY CUIDDENIT	
9. 🗹 ISI Flaw	NDE M	lethod of Flaw Detection	EDDY CURRENT E	TYAM REPORT
40. Finduction of the co	sitability of thic work as n	Heport Number <u>21</u> er the requirements of IA		24 III. 101 OKI
	ER ENG-DFWO 230446			
11. Repair/Replacemer	nt Work Organization CI	3		
•			ITION & 1973 WINTER	ADDENDA
			ON & 1975 WINTER AI	
,		ION & 1992 ADDENDA		
15. Preservice Inspecti			ES 🗹 NO	
l <del>~ </del>	•	e a step in the W.O. to pe	erform Preservice Inspect	ion.
Initial Date	Toot Dogwind	□ v	ES 🗹 NO	
16. ASME Section XI P	•	، عداد a step in the W.O. for IS	<del></del>	
Initlal Date ()9/19/(			NIS-2 Form prior to relea	ising the component.
Initial Date 09/19/0			low all applicable number	
Initial Date	replacement i	tems.		
ITEM I.D.	PART NO. SEE ATTACHED LIST	SERIAL NO. SEE ATTACHED LIST	HEAT NO. SEE ATTACHED LIST	MR/ROS NO. SEE ATTACHED LIST
TUBE PLUGS	SEE ATTACHED LIST	SEE ATTACHED LIST	OLD ATTACOME DATE	
19. Planner <u>Ulus</u>	Signature	9-19-00 Print I	Name ALEX P. WAICE	LUNAS
). ISI Engineer	Pindap	t /	Name <u>RAMAKANT P. I</u>	NDAP
2.4	Signature Jung trans	Date	Nome BODEBT C UOC	STROM
21. ANII	(  Signature	9-21-20 Print I Date	Name <u>ROBERT G. HOC</u>	STROW

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

As Required by the Provisions of the ASME Code Section XI

1. Owner <u>Arizona</u>	. Owner Arizona Public Service Company, et. al.				Date		11/01/00	
•	x 53999, Phoenix.	vame						
2. Plant Palo Vei	de Nuclear Gener	ating Station			Unit		2	
<u>5801 S</u>	Wintersburg Rd.,	<sub>Vame</sub> <u>Fonopah, Arizo</u> Address	ona 85354-	<u>7529</u>			2304796 Work Order Number	
					Time Co	do Cun	ahal Stamp	None
3. Work Performed b	y ABB-CE	łame			Type Code Symbol Stamp None  Authorization No. N/A			······································
911 W. ]	Main St., Chattano	oga. TN 3740	2				37/	Α .
	Α	Address			•			
4. Identification of Sy	stem Reactor C	coolant					.,,,,,	
5. (a) Applicable Co	nstruction Code ASN	ME Sect. III, C	<u>l.1</u> 19 <u>71</u> 1	Edition,	<u>W'73</u>	_ Adde	enda, <u>NA</u>	Code Case
(b) Applicable Ed	ition of Section XI Utili:	zed for Repairs or	Replacemen	nts 19	<u>92</u> Edit	ion, _	1992 Adder	nda
6. Identification of Co	omponents Repaired o	r Replaced and R	eplacement (	Compoi	nents			
Name of	Name of	Manufacturer	National	0	ther	Year	Repaired	ASME Code
Item	Manufacturer	Serial No.	Board No.	ldent	ification	Built	or Replacement	Stamped (Yes or No)
Steam Generator	CE	79273-2	NA	2MR	CEE01B	1979	Repaired	Yes
Tube Plugs	CE	*	NA		*	2000	Replacement	No
,,								
7. Description of Wor	k Plug SG (2MR)	CEE01B) Cold	Leg tubes	per D	IWO 23	0479	6. See attache	d list.
8. Test Conducted:		Pneumatic 🔲	Nominal Ope					N-416-1 🔲
0. 700. 001.000.00.	_	_	·	•		_		c <del></del>
	Other _	Pressure	psi			rest i	emp	_°F
NOTE 6		fliata atratabas	or drowing	o mani	ha usad	nrovi	dad (1) eiza ie s	R 1/2 x 11 in
(2) information in it	ntal sheets in form o tems 1 through 6 on ets is recorded at th	this report is in	cluded on ea	ach sh	eet, and	(3) ea	ich sheet is nun	nbered and

<b>Bemarks</b>	
1 tomarno	See DFWO 2304461 for tubes plugged (plugging list attached).
	CERTIFICATE OF COMPLIANCE
	fy that the statements made in the report are correct and this repair conforms to the rule: SME Code, Section XI.
Type Co	de Symbol Stamp
Certifica	te of Authorization No. H/A Expiration Date N/A
Signed_	Owner or Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
I, the und	dersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vesse rs and the State or Province of Arizona and employed byHSBI & I CO.
Inspector of <u>Ha</u>	rs and the State or Province of <u>Arizona</u> and employed by <u>HSBI &amp; I CO.</u> rtford, Connecticut , have inspected the components described in this Owner's Report during
Inspector of <u>Ha</u> the period belief, the	rs and the State or Province of <u>Arizona</u> and employed by <u>HSBI &amp; I CO.</u> rtford, Connecticut , have inspected the components described in this Owner's Report during d
of <u>Ha</u> the perio	rs and the State or Province of <u>Arizona</u> and employed by <u>HSBI &amp; I CO.</u>

#### WORK ORDER 2304796

	ASME SECTION	NXI – REPAIR /	REPLACEMEN	NT
COMP. ID	PART NO.	SERIAL NO.	HEAT NO.	MR NO.
2MRCEE01E		8759	J-9161-5	470466
R62 / L15				
2MRCEE01E	0307-1601	8758	J-9161-5	470466
R33 / L16				
2MRCEE01E	0307-1601	8751	J-9161-5	470466
R2/L39				
2MRCEE01E	0307-1601	8757	J-9161-5	470466
R130 / L47				
2MRCEE01B	0307-1601	8754	J-9161-5	470466
R38 / L49				
2MRCEE01B	0307-1601	8899	J-9161-5	470466
R70 / L49				170.44
2MRCEE01B	0307-1601	8898	J-9161-5	470466
R5 / L50				150166
2MRCEE01B	0307-1601	8766	J-9161-5	470466
R64 / L51				470466
2MRCEE01B	0307-1601	8762	J-9161-5	470466
R16 / L55			70161 7	450466
2MRCEE01B	0307-1601	8752	J-9161-5	470466
R40 / L59			701616	470466
2MRCEE01B	0307-1601	8753	J-9161-5	4 / 0400
R45 / L60		0.7.6	10161.5	470466
2MRCEE01B	0307-1601	8767	J-9161-5	470400
R41 / L62		0101	J-9161-5	470466
2MRCEE01B	0307-1601	9121	1-9101-3	470400
R34 / L67	0207.1601	8923	J-9161-5	470466
2MRCEE01B	0307-1601	8923	J-9101-3	470400
R54 / L67	0207 1601	8935	J-9161-5	470466
2MRCEE01B	0307-1601	8933	J-9101-3	470400
R41 / L68	0307-1601	8933	J-9161-5	470466
2MRCEE01B	0307-1601	8933	3-2101-3	170100
R45 / L68 2MRCEE01B	0307-1601	8929	J-9161-5	470466
R53 / L68	0307-1001	3,2,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	******
2MRCEE01B	0307-1601	8936	J-9161-5	470466
R60 / L71	0307-1001	0,50	3,101.0	*****
2MRCEE01B	0307-1601	8928	J-9161-5	470466
R59 / L74	0307-1001	0,25	• 5 2 5 2 5	
2MRCEE01B	0307-1601	8946	J-9161-5	470466
R61 / L74	0307-1001			
2MRCEE01B	0307-1601	8943	J-9161-5	470466
R58 / L75	0507 1001			
2MRCEE01E	0307-1601	8938	J-9161-5	470466
R62 / L75	3307.2302			
2MRCEE01E	0307-1601	8941	J-9161-5	470466
R85 / L78	3301 2001			
2MRCEE01E	0307-1601	9110	J-9161-5	470466
R34 / L79	1			

			·	
2MRCEE01B R66 / L81	0307-1601	8942	J-9161-5	470466
2MRCEE01B	0307-1601	8927	J-9161-5	470466
R118 / L81 2MRCEE01B	0307-1601	8934	J-9161-5	470466
R59 / L82 2MRCEE01B	0307-1601	9144	J-9161-5	470466
R54 / L83 2MRCEE01B	0307-1601	9131	J-9161-5	470466
R62 / L83 2MRCEE01B	0307-1601	9138	J-9161-5	470466
R78 / L83 2MRCEE01B	0307-1601	8939	J-9161-5	470466
R82 / L83 2MRCEE01B	0307-1601	9143	J-9161-5	470466
R59 / L84 2MRCEE01B	0307-1601	9133	J-9161-5	470466
R81 / L84 2MRCEE01B	0307-1601	9134	J-9161-5	470466
R78 / L85 2MRCEE01B	0307-1601	9139	J-9161-5	470466
R66 / L87 2MRCEE01B	0307-1601	9132	J-9161-5	470466
R82 / L87 2MRCEE01B	0307-1601	9146	J-9161-5	470466
R54 / L91 2MRCEE01B	0307-1601	9145	J-9161-5	470466
R59 / L92 2MRCEE01B	0307-1601	9141	J-9161-5	470466
R62 / L93 2MRCEE01B	0307-1601	9142	J-9161-5	470466
R71 / L96 2MRCEE01B	0307-1601	9137	J-9161-5	470466
R78 / L97	0307-1601	9136	J-9161-5	470466
2MRCEE01B R60 / L99			J-9161-5	470466
2MRCEE01B R61 / L102	0307-1601	9140		470466
2MRCEE01B R54 / L103	0307-1601	9148	J-9161-5	470466
2MRCEE01B R73 / L106	0307-1601	9147	J-9161-5	
2MRCEE01B R71 / L108	0307-1601	8791	J-9161-5	470466
2MRCEE01B R43 / L110	0307-1601	8780	J-9161-5	470466
2MRCEE01B R78 / L111	0307-1601	8792	J-9161-5	470466
2MRCEE01B R88 / L111	0307-1601	8769	J-9161-5	470466
2MRCEE01B R152 / L111	0307-1601	9113	J-9161-5	470466
2MRCEE01B	0307-1601	8771	J-9161-5	470466

2MRCEE01B	0307-1601	8777	J-9161-5	470466
R72 / L113				1501//
2MRCEE01B	0307-1601	8776	J-9161-5	470466
R94/L113				
2MRCEE01B	0307-1601	8783	J-9161-5	470466
R64/L115				
2MRCEE01B	0307-1601	8782	J-9161-5	470466
R57/L116				
2MRCEE01B	0307-1601	8775	J-9161-5	470466
R41 / L118				
2MRCEE01B	0307-1601	8774	J-9161-5	470466
R53 / L118	050, 1001			
2MRCEE01B	0307-1601	8781	J-9161-5	470466
	0307-1001	0/01		
R55 / L118	0207.1601	8773	J-9161-5	470466
2MRCEE01B	0307-1601	0113	J-5101-5	***************************************
R59 / L118		0770	J-9161-5	470466
2MRCEE01B	0307-1601	8772	J-9101-3	7/0700
R59 / L120		0.220	T 01/(1 5	470466
2MRCEE01B	0307-1601	8770	J-9161-5	4/0400
R63 / L120				450466
2MRCEE01B	0307-1601	9130	J-9161-5	470466
R54 / L121				
2MRCEE01B	0307-1601	9129	J-9161-5	470466
R63 / L122				
2MRCEE01B	0307-1601	9128	J-9161-5	470466
R67 / L122				
2MRCEE01B	0307-1601	9119	J-9161-5	470466
R16/L129	0507-1001			
	0307-1601	9135	J-9161-5	470466
2MRCEE01B	0307-1001	7133		
R38 / L129	0207 1601	9126	J-9161-5	470466
2MRCEE01B	0307-1601	7120	J->101 2	,,,,,,,,,
R57 / L130	0007.1601	9106	J-9161-5	470466
2MRCEE01B	0307-1601	3100	J-5101-J	170-100
R28 / L131		0114	101615	470466
2MRCEE01B	0307-1601	9116	J-9161-5	470400
R29 / L132			1	470466
2MRCEE01B	0307-1601	9127	J-9161-5	470466
R56 / L133			10151	470466
2MRCEE01B	0307-1601	9118	J-9161-5	470466
R48 / L137				
2MRCEE01B	0307-1601	9124	J-9161-5	470466
R29 / L138				
2MRCEE01B	0307-1601	9122	J-9161-5	470466
R40 / L141	0507.2002		ł	
2MRCEE01B	0307-1601	9120	J-9161-5	470466
R46 / L145				
2MRCEE01B	0307-1601	9123	J-9161-5	470466
	0307-1001	7 220		
R59 / L146	0307-1601	8741	J-9161-5	470466
2MRCEE01B	0307-1001	0/41	1.7101	,
R17 / L148		0111	J-9161-5	470466
2MRCEE01B	0307-1601	9111	1-3101-3	7/0400
R17 / L176			1 70:61.5	470466
2MRCEE01B	0307-1601	9115	J-9161-5	470466
R113 / L148	1		[	1

2MRCEE01B R113 / L150	0307-1601	9114	J-9161-5	470466
2MRCEE01B	0307-1601	9149	J-9161-5	470466
R20 / L165 2MRCEE01B	0307-1601	8763	J-9161-5	470466
R49 / L16 2MRCEE01B	0307-1601	8932	J-9161-5	470466
R95 / L28 2MRCEE01B	0307-1601	8944	J-9161-5	470466
R104 / L47		8926	J-9161-5	470466
2MRCEE01B R105 / L50	0307-1601			
2MRCEE01B R70 / L53	0307-1601	8756	J-9161-5	470466
2MRCEE01B R131 / L56	0307-1601	8937	J-9161-5	470466
2MRCEE01B	0307-1601	8931	J-9161-5	470466
R114 / L59 2MRCEE01B	0307-1601	8768	J-9161-5	470466
R41 / L60 2MRCEE01B	0307-1601	8765	J-9161-5	470466
R17 / L62 2MRCEE01B	0307-1601	8924	J-9161-5	470466
R140 / L65 2MRCEE01B	0307-1601	8925	J-9161-5	470466
R142 / L65 2MRCEE01B	0307-1601	9103	J-9161-5	470466
R20 / L71	0307-1601	8945	J-9161-5	470466
2MRCEE01B R157 / L78				470466
2MRCEE01B R138 / L79	0307-1601	8790	J-9161-5	
2MRCEE01B R146 / L81	0307-1601	9125	J-9161-5	470466
2MRCEE01B R126 / L85	0307-1601	8789	J-9161-5	470466
2MRCEE01B	0307-1601	8786	J-9161-5	470466
R44 / L91 2MRCEE01B	0307-1601	8785	J-9161-5	470466
R43 / L92 2MRCEE01B	0307-1601	9102	J-9161-5	470466
R153 / L98 2MRCEE01B	0307-1601	8788	J-9161-5	470466
R115 / L100 2MRCEE01B	0307-1601	8787	J-9161-5	470466
R117 / L100 2MRCEE01B	0307-1601	8779	J-9161-5	470466
R45 / L102 2MRCEE01B	0307-1601	8784	J-9161-5	470466
R41 / L106			J-9161-5	470466
2MRCEE01B R29 / L112	0307-1601	8778		
2MRCEE01B R141 / L126	0307-1601	9109	J-9161-5	470466

2MRCEE01B R132 / L127	0307-1601	9107	J-9161-5	470466
2MRCEE01B R67 / L10	0307-1601	8764	J-9161-5	470466
2MRCEE01B	0307-1601	8755	J-9161-5	470466
R68 / L11 2MRCEE01B	0307-1601	8760	J-9161-5	470466
R102 / L53 2MRCEE01B	0307-1601	8897	J-9161-5	470466
R57 / L58 2MRCEE01B	0307-1601	8896	J-9161-5	470466
R107 / L62 2MRCEE01B	0307-1601	8895	J-9161-5	470466
R104 / L63 2MRCEE01B	0307-1601	8900	J-9161-5	470466
R118 / L65 2MRCEE01B	0307-1601	8940	J-9161-5	470466
R67 / L94 2MRCEE01B	0307-1601	9105	J-9161-5	470466
R140 / L109 2MRCEE01B	0307-1601	9112	J-9161-5	470466
R126 / L119 2MRCEE01B	0307-1601	8930	J-9161-5	470466
R81 / L124 2MRCEE01B	0307-1601	9108	J-9161-5	470466
R127 / L128 2MRCEE01B	0307-1601	9104	J-9161-5	470466
R120 / L129 2MRCEE01B	0307-1601	8743	J-9161-5	470466
R48 / 143 2MRCEE01B	0307-1601	9101	J-9161-5	470466
R90 / L145 2MRCEE01B	0307-1601	9117	J-9161-5	470466
R73 / L154 2MRCEE01B	0307-1601	8742	J-9161-5	470466
R6 / L155 2MRCEE01B	0307-1601	9150	J-9161-5	470466
R24 / L165 2MRCEE01B	0307-1601	9753	J-9162-2	470466
R12 / L19 2MRCEE01B	0307-1601	9757	J-9162-2	470466
R37 / L44 2MRCEE01B R91 / L46	0307-1601	9756	J-9162-2	470466
2MRCEE01B R134 / L57	0307-1601	9751	J-9162-2	470466
2MRCEE01B R144 / L67	0307-1601	9754	J-9162-2	470466
2MRCEE01B R127 / L80	0307-1601	9755	J-9162-2	470466
2MRCEE01B R42 / L81	0307-1601	9752	J-9162-2	470466
2MRCEE01B	0307-2801	FR-109	J-9161-5	466909

2MRCEE01B ** R24 / L77	0307-2801	FR-110	J-9161-5	466909
2MRCEE01B * R3 / L10	0307-1601	8761	J-9161-5	470466

<sup>\*\*</sup> Rail Plugs installed at these two locations.

\* Rolled Plug re-installed at this location.

	ASME SECTION	)N XI - REPAIR/H	CPLACEIVIENT	
1. Component ID 2MR		2. Code Cla	ass ASME SECTION III	, CLASS 1
	EAM GENERATOR #2			
4. N-5 Package Numbe	er 2RC01-1A	5. W.O. Nur		
6. Original Construction	Code Edition 1971 EDI	TION & 1973 WINTER	ADDENDA	
7 Original Installation (	Code Edition 1974 EDIT	ION & 1975 WINTER A	DDENDA	
8 Work Description IN	ISTALL CE ROLL PLUC	IS IN 2MRCEE01B HO	T LEG TUBES PER EN	G-DFWO 2304464
<u>E</u>	VALUATION AND DISI	POSITION.		
9. ISI Flaw	NDE Me	ethod of Flaw Detection _	EDDY CURRENT	
we make your transfer		Report Number 2R	09 EDDY CURRENT E	XAM. REPORT
10. Evaluation of the su	itability of this work as pe	r the requirements of IAV	N-4150.	
<b>EVALUATION PI</b>	ER ENG-DFWO 2304464			
11. Repair/Replacemen	nt Work Organization <u>CE</u>			
12 Replacement Item (	Construction or reconciled	Code/Edition 1971 ED	ITION & 1973 WINTER	ADDENDA
12 Ranair/Ranianamer	nt Activity Construction Co	de/Edition 1974 EDITIO	ON & 1975 WINTER AI	DDENDA
	ode/Edition 1992 EDITI			
of a second seco			ES 🗹 NO	
15. Preservice Inspect	ion Required. 60 If required include		rform Preservice Inspect	ion.
Initial Date	- II lequiled, isolude			
16. ASME Section XI P	ressure Test Required	Q Y		
09/19/0		a step in the W.O. for IS		
09/19/	<del></del>		NIS-2 Form prior to relea	
Initial Date 09/19/	00 18. Include a step	in the W.O. to record be	low all applicable number	rs for repaired or
Initial Date	replacement it	ems. SERIAL NO.	HEAT NO.	MR/ROS NO.
ITEM I.D. TUBE PLUGS	SEE ATTACHED LIST	SEE ATTACHED LIST	SEE ATTACHED LIST	SEE ATTACHED LIST
100012000				
12		9-15-00 Print	Name ALEX P. WAICE	LUNAS
19. Planner <u>Uly</u>	Signature	Date		
2. ISI Engineer 🗩	Phodap		Name <u>RAMAKANT P.</u>	INDAP
2 4	Signature	Date	Name <u>ROBERT G. HO</u>	GSTROM
21. ANII / 12 1	Instronc   Signature	Print Date	Name ROBERT 6. 1100	
	V -			73DP-9ZZ17

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

As Required by the Provisions of the ASME Code Section XI

1. Owner <u>Arizona</u>	Public Service Co	mpany, et. al.			Date		11/01/00	
	x 53999, Phoenix,							2
2. Plant Palo Ver	de Nuclear Genera				Unit		2	
<u> </u>	Wintersburg Rd.,	Jame					2304797	
<u> 3601 G.</u>	A Mittelsburg Itali, A	Address	<u> </u>			1	Work Order Number	
3. Work Performed b	y ABB-CE	lame			Type Co	de Syn	nbol Stamp	None
	ľ	vame			Authoriza	ation N	oN	/A
911 W.	Main St., Chattano	oga, TN 3740	2	<del></del>	Expiratio	n Date	N/	<u>A</u>
	Donator C							
4. Identification of Sy	stem <u>Reactor</u> C	Ootani		<u></u>				
5. (a) Applicable Co	nstruction Code ASN	ME Sect. III, C	l.1 19 <u>71</u> i	Edition,	W'73_	Adde	nda, <u>NA</u>	Code Case
(b) Applicable Ed	ition of Section XI Utili:	zed for Hepairs of	' <del>Replaceme</del> r	115 19	92 EUR	1011,	1992 Audei	iua .
6. Identification of Co	omponents Repaired o	r Replaced and R	eplacement (	Compor	nents			
			<b>.</b>	_	41	Vacr	Repaired	ASME Code
Name of Item	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Identi	ther fication	Year Built	or Replacement	Stamped (Yes or No)
Steam Generator	CE	79273-2	NA	i	CEE01B		Repaired	Yes
Tube Plugs	CE	*	NA		*	2000	Replacement	No
								1
7 Description of Wo	rk_Plug SG (2MR)	CEE01B) Hot l	Leg tubes p	er DI	WO 230	)4797	. See attached	list.
8. Test Conducted:	Hydrostatic	Pneumatic 🔲	Nominal Ope	erating	Pressure		Exempt 🗹	N-416-1 🔲
	Other 🔲	Pressure	psi			Test To	emp	_°F
NOTE: Supplemen	ntal sheets in form o	f lists, sketches	, or drawing	s may	be used	, provi	ded (1) size is l	3 1/2 x 11 in.,
(2) information in i	tems 1 through 6 on ets is recorded at th	this report is in	cluded on e	ach sh	eet, and	(3) ea	ch sheet is nur	mbered and

FORM NIS-2 (Back)
See DFWO 2304464 for tubes plugged (plugging list attached).
CERTIFICATE OF COMPLIANCE
by that the statements made in the report are correct and this repair conforms to the rules GME Code, Section XI.
de Symbol Stamp
e of Authorization No. N/A Expiration Date N/A
te of Authorization No. N/A Expiration Date N/A  SPANDAD, Consulting Met-Engineer Date 11-01-00  Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
rs and the State or Province of <u>Arizona</u> and employed by <u>HSBI &amp; TCO.</u> rtford Connecticut have inspected the components described in this Owner's Report during
rs and the State or Province of Arizona and employed by HSBI & TCO.  rtford. Connecticut , have inspected the components described in this Owner's Report during d 9-21-00 to 1-2-00 , and state that to the best of my knowledge and e Owner has performed examinations and taken corrective measures described in this Owner's accordance with the requirements of the ASME Code, Section XI.
rtford. Connecticut , have inspected the components described in this Owner's Report during d 9-21-00 to 10-2-00 , and state that to the best of my knowledge and e Owner has performed examinations and taken corrective measures described in this Owner's accordance with the requirements of the ASME Code, Section XI.  In this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied the examinations and corrective measures described in this Owner's Report. Furthermore, the Inspector nor his employer shall be liable in any manner for any personal injury or property
f

#### WORK ORDER 2304797

	ASME SECTION	XI - REPAIR /	REPLACEMEN	NT
COMP. ID	PART NO.	SERIAL NO.	HEAT NO.	MR NO.
2MRCEE01B	0307-1601	9958	J-9162-2	470466
R62 / L15				
2MRCEE01B	0307-1601	9959	J-9162-2	470466
R33 / L16				
2MRCEE01B	0307-1601	9956	J-9162-2	470466
R2/L39				
2MRCEE01B	0307-1601	8947	J-9161-5	470466
R130 / L47				470466
2MRCEE01B	0307-1601	8869	J-9161-5	470466
R38 / L49			7.0161.5	470466
2MRCEE01B	0307-1601	8872	J-9161-5	470466
R70 / L49			70161.5	470466
2MRCEE01B	0307-1601	8854	J-9161-5	470400
R5 / L50			7.0161.5	470466
2MRCEE01B	0307-1601	8855	J-9161-5	470400
R64 / L51_			T 01/1 5	470466
2MRCEE01B	0307-1601	8859	J-9161-5	470400
R16 / L55			101615	470466
2MRCEE01B	0307-1601	8870	J-9161-5	470400
R40/L59		0056	J-9161-5	470466
2MRCEE01B	0307-1601	. 8856	J-9101-3	470400
R45 / L60		0065	J-9161-5	470466
2MRCEE01B	0307-1601	8857	J-9101-3	470400
R41 / L62	2007.1601	0047	J-9161-5	470466
2MRCEE01B	0307-1601	8847	J-9101-3	470100
R34 / L67	0207.1(01	8851	J-9161-5	470466
2MRCEE01B	0307-1601	8831	<b>J</b> -7101-3	***************************************
R54 / L67	0307-1601	8865	J-9161-5	470466
2MRCEE01B	0307-1001	8803	3 3 2 0 1 2	
R41 / L68	0307-1601	8858	J-9161-5	470466
2MRCEE01B R45 / L68	0307-1001	0050		
2MRCEE01B	0307-1601	8860	J-9161-5	470466
R53 / L68	0307-1001	3555		
2MRCEE01B	0307-1601	8950	J-9161-5	470466
R60 / L71	0507 1001			
2MRCEE01B	0307-1601	8853	<b>J-</b> 9161-5	470466
R59 / L74	3331 2332			
2MRCEE01B	0307-1601	8949	J-9161-5	470466
R61 / L74				
2MRCEE01B	0307-1601	8864	J-9161-5	470466
R58 / L75				
2MRCEE01B	0307-1601	8948	J-9161-5	470466
R62 / L75				
2MRCEE01B	0307-1601	8871	J-9161-5	470466
R85 / L78				
2MRCEE01B	0307-1601	8866	J-9161-5	470466
R34/L79				

2MRCEE01B R66 / L81	0307-1601	8873	J-9161-5	470466
2MRCEE01B	0307-1601	8874	J-9161-5	470466
R118 / L81 2MRCEE01B	0307-1601	8875	J-9161-5	470466
R59 / L82 2MRCEE01B	0307-1601	8876	J-9161-5	470466
R54 / L83 2MRCEE01B	0307-1601	8877	J-9161-5	470466
R62 / L83 2MRCEE01B	0307-1601	8878	J-9161-5	470466
R78 / L83 2MRCEE01B	0307-1601	8879	J-9161-5	470466
R82 / L83 2MRCEE01B	0307-1601	8880	J-9161-5	470466
R59 / L84 2MRCEE01B	0307-1601	8881	J-9161-5	470466
R81 / L84 2MRCEE01B	0307-1601	8882	J-9161-5	470466
R78 / L85 2MRCEE01B	0307-1601	8883	J-9161-5	470466
R66 / L87 2MRCEE01B	0307-1601	8884	J-9161-5	470466
R82 / L87 2MRCEE01B	0307-1601	9957	J-9162-2	470466
R54 / L91 2MRCEE01B	0307-1601	8885	J-9161-5	470466
R59 / L92 2MRCEE01B	0307-1601	8886	J-9161-5	470466
R62 / L93 2MRCEE01B	0307-1601	8887	J-9161-5	470466
R71 / L96, 2MRCEE01B	0307-1601	8888	J-9161-5	470466
R78 / L97 2MRCEE01B	0307-1601	9951	J-9162-2	470466
R60 / L99 2MRCEE01B	0307-1601	8889	J-9161-5	470466
R61 / L102 2MRCEE01B	0307-1601	8802	J-9161-5	470466
R54 / L103 2MRCEE01B	0307-1601	8890	J-9161-5	470466
R73 / L106 2MRCEE01B	0307-1601	8891	J-9161-5	470466
R71 / L108 2MRCEE01B	0307-1601	8810	J-9161-5	470466
R43 / L110 2MRCEE01B	0307-1601	8892	J-9161-5	470466
R78 / L111 2MRCEE01B	0307-1601	8893	J-9161-5	470466
R88 / L111 2MRCEE01B	0307-1601	8827	J-9161-5	470466
R152/L111				-

	2MRCEE01B	0307-1601	8894	J-9161-5	470466
	R72 / L113			Y 01/02 0	470466
	2MRCEE01B	0307-1601	9953	J-9162-2	470400
	R94 / L113			V 01/02	470466
	2MRCEE01B	0307-1601	9961	J-9162-2	4/0400
	R64 / L115				150166
	2MRCEE01B	0307-1601	8863	J-9161-5	470466
	R57 / L116				
	2MRCEE01B	0307-1601	8696	J-9161-5	470466
	R41/L118				
	2MRCEE01B	0307-1601	8852	J-9161-5	470466
	R53 / L118				
	2MRCEE01B	0307-1601	8867	J-9161-5	470466
	R55/L118				
	2MRCEE01B	0307-1601	8868	J-9161-5	470466
	R59 / L118				
	2MRCEE01B	0307-1601	8861	J-9161-5	470466
	R59 / L120				
	2MRCEE01B	0307-1601	9960	J-9162-2	470466
	R63 / L120	3337. 2002			
_	2MRCEE01B	0307-1601	8862	J-9161-5	470466
	R54 / L121	0307 1001	***************************************		
	2MRCEE01B	0307-1601	9954	J-9162-2	470466
	R63 / L122	0307-1001	,,,,,		
_	2MRCEE01B	0307-1601	9955	J-9162-2	470466
		0307-1001	,,,,,		
	R67 / L122	0307-1601	8828	J-9161-5	470466
	2MRCEE01B	0307-1001	0020		
	R16 / L129	0207.1601	8840	J-9161-5	470466
	2MRCEE01B	0307-1601	0040	J-7101 5	
	R38 / L129	0307-1601	8831	J-9161-5	470466
	2MRCEE01B	0307-1601	0031	3,7101.5	
	R57 / L130	0207.1601	8837	J-9161-5	470466
	2MRCEE01B	0307-1601	0037	J-5101-3	770.00
	R28 / L131	0007 1601	0007	J-9161-5	470466
	2MRCEE01B	0307-1601	8826	J-9101-3	470400
	R29 / L132		0000	J-9161-5	470466
	2MRCEE01B	0307-1601	8833	1-9101-3	470400
_	R56 / L133	0007.1603	0023	J-9161-5	470466
	2MRCEE01B	0307-1601	8832	J-2101-2	7/0400
	R48 / L137		0000	J-9161-5	470466
	2MRCEE01B	0307-1601	8830	J-3101-3	7/0400
	R29 / L138		0000	T 0161 5	470466
	2MRCEE01B	0307-1601	8829	J-9161-5	4/0400
	R40 / L141		00::	T 01/1 5	470466
	2MRCEE01B	0307-1601	8844	J-9161-5	4 / 0400
	R46 / L145			T 01/21 6	470466
	2MRCEE01B	0307-1601	8850	J-9161-5	470400
_	R59 / L146		0.65	T 0161 5	470466
	2MRCEE01B	0307-1601	8686	J-9161-5	470466
_	R17 / L148			701615	100166
	2MRCEE01B	0307-1601	8685	J-9161-5	470466
	R17 / L176				470155
	2MRCEE01B	0307-1601	8839	J-9161-5	470466
	R113 / L148	1		1	

 2MRCEE01B	0307-1601	8835	J-9161-5	470466
R113 / L150				470466
2MRCEE01B	0307-1601	8748	J-9161-5	470466
R20 / L165				
 2MRCEE01B	0307-1601	8806	J-9161-5	470466
R49/L16				
 2MRCEE01B	0307-1601	8689	J-9161-5	470466
R95 / L28				
 2MRCEE01B	0307-1601	8825	J-9161-5	470466
R104 / L47	0507 1001	<b>44</b>		
 	0307-1601	8818	J-9161-5	470466
2MRCEE01B	0307-1001	0010		
 R105 / L50	0207.1601	8820	J-9161-5	470466
2MRCEE01B	0307-1601	8820	<b>J-9101-</b> 5	170100
 R70 / L53		2004	Y 0161.5	470466
2MRCEE01B	0307-1601	8805	J-9161-5	470400
R131 / L56				180166
2MRCEE01B	0307-1601	8808	J-9161-5	470466
R114/L59				
 2MRCEE01B	0307-1601	8698	J-9161-5	470466
R41 / L60	3377 2372			
 2MRCEE01B	0307-1601	8822	J-9161-5	470466
R17 / L62	0307-1001	0022		
 	0307-1601	8811	J-9161-5	470466
2MRCEE01B	0307-1601	8811	3-5101 5	
R140 / L65	0007.1601	0017	J-9161-5	470466
2MRCEE01B	0307-1601	8817	<b>J-9101-</b> 3	+70+00
 R142 / L65			1	470466
2MRCEE01B	0307-1601	8821	J-9161-5	470466
R20 / L71				
 2MRCEE01B	0307-1601	8804	J-9161-5	470466
R157 / L78				
 2MRCEE01B	0307-1601	8688	J-9161-5	470466
R138 / L79				
 2MRCEE01B	0307-1601	8694	J-9161-5	470466
R146 / L81	0507-1001	007.		
	0307-1601	8683	J-9161-5	470466
2MRCEE01B	0307-1601	6000	3 9101 3	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
 R126 / L85	2007 1 (0)	0600	J-9161-5	470466
2MRCEE01B	0307-1601	8690	1-9101-5	470400
 R44 / L91			7.0161.5	470466
2MRCEE01B	0307-1601	8693	J-9161-5	470400
R43 / L92				
 2MRCEE01B	0307-1601	8845	J-9161-5	470466
R153 / L98				
 2MRCEE01B	0307-1601	8801	J-9161-5	470466
R115 / L100				
 2MRCEE01B	0307-1601	8699	J-9161-5	470466
R117 / L100	0307 1001			
 	0307-1601	8745	J-9161-5	470466
2MRCEE01B	0307-1001	0/43		
 R45 / L102	0207.1601	0747	J-9161-5	470466
2MRCEE01B	0307-1601	8747	1-3101-3	7/0700
R41 / L106		0.500	10161.5	170166
2MRCEE01B	0307-1601	8700	J-9161-5	470466
R29 / L112				
2MRCEE01B	0307-1601	8838	J-9161-5	470466

2MRCEE01B R132 / L127	0307-1601	8841	J-9161-5	470466
2MRCEE01B	0307-1601	8809	J-9161-5	470466
R67 / L10	0507 1001	~~~		
2MRCEE01B	0307-1601	8816	J-9161-5	470466
R68 / L11	0507-1001	0010		
2MRCEE01B	0307-1601	8812	J-9161-5	470466
R102 / L53	0507-1001	<b>4012</b>		
2MRCEE01B	0307-1601	8815	J-9161-5	470466
R57 / L58	0307-1001	0015		
2MRCEE01B	0307-1601	8824	J-9161-5	470466
R107 / L62	0307-1001	002.		
2MRCEE01B	0307-1601	8819	J-9161-5	470466
	0307-1001	0017		
R104 / L63	0307-1601	8813	J-9161-5	470466
2MRCEE01B	0307-1001	0017		
R118 / L65	0307-1601	8684	J-9161-5	470466
2MRCEE01B	0307-1001	0007	3-7101 5	
R67 / L94	0207.1601	8848	J-9161-5	470466
2MRCEE01B	0307-1601	0040	1-7101-2	,,,,,,,,
R140 / L109	0007.1601	0744	J-9161-5	470466
2MRCEE01B	0307-1601	8744	J-2101-7	7/0400
R126 / L119		0046	J-9161-5	470466
2MRCEE01B	0307-1601	8846	J-9101-3	470400
R81 / L124		0004	J-9161-5	470466
2MRCEE01B	0307-1601	8834	J-9101-5	470400
R127 / L128			70161.5	470466
2MRCEE01B	0307-1601	8842	J-9161-5	470400
R120 / L129				470466
2MRCEE01B	0307-1601	8836	J-9161-5	470466
R48 / 143				150166
2MRCEE01B	0307-1601	8843	J-9161-5	470466
R90 / L145				
2MRCEE01B	0307-1601	8691	J-9161-5	470466
R73 / L154				
2MRCEE01B	0307-1601	8687	J-9161-5	470466
R6/L155				
2MRCEE01B	0307-1601	8692	J-9161-5	470466
R24 / L165				
2MRCEE01B	0307-1601	8803	J-9161-5	470466
R12/L19	·			
2MRCEE01B	0307-1601	8807	J-9161-5	470466
R37 / L44				
2MRCEE01B	0307-1601	8823	J-9161-5	470466
R91 / L46				
2MRCEE01B	0307-1601	8814	J-9161-5	470466
R134 / L57				
2MRCEE01B	0307-1601	8697	J-9161-5	470466
R144 / L67				
2MRCEE01B	0307-1601	8695	J-9161-5	470466
R127 / L80	0307 1001			
2MRCEE01B	0307-1601	8849	J-9161-5	470466
R42 / L81	0301-1001	~~··	<u> </u>	
K42 / L01	<u> </u>			

	ASME SECTION	ON XI - REPAIR/F	REPLACEMENT	
1. Component ID 2MF	CEA09		ass ASME Section III, (	Class 1
3. Item Description RE	ACTOR COOLANT SY	STEM PRESSURIZER	HEATER	
4. N-5 Package Numbe			mber <u>2317256</u>	
		Section III, Class 1, 1971		
		ction III, Class 1, 1974 Ed		
8. Work Description Re	place Defective Pressur	izer Heater, Make Fillet V	Veld between Pressurizer	Nozzle and new
He	eater Sleeve.			
9. 🔲 ISI Flaw	NDE M	ethod of Flaw Detection		
		Report Number N		
10. Evaluation of the su	itability of this work as pe	er the requirements of IAV	V-4150. Petaining Boundary	
Electrical Portion of	of Heater Failed, No Fai	lure on ASME Pressure R	ctaining Doundary.	
	t Work Organization Al			
		d Code/Edition ASME S		
		ode/Edition ASME Sec.		75 Winter Addenda
14. ASME Section XI Co	ode/Edition ASME Sec	tion XI, 1992 Edition, 199	92 Addenda	·
15. Preservice Inspecti	on Required.	Q Y	ES 🗹 NO	
N/A to look	If required, include	e a step in the W.O. to pe	rform Preservice Inspecti	ion.
16. ASME Section XI Pr	essure Test Required	☐ Y	ES 🖸 NO	
N/A 10/10/0	If required, include	a step in the W.O. for IS	I & ANII Inspection.	
Initial Date  KVS (6/15/6	17. Include a step	in the W.O. to complete	NIS-2 Form prior to relea	sing the component.
Initial Date KVS (C/10/	ຍະ 18. Include a step	in the W.O. to record be	low all applicable numbe	rs for repaired or
Initial Date	replaced item	s. SERIAL NO.	HEAT NO.	MR/ROS NO.
COMP I.D.  Heater	PART NO. 44450049	SERIAL NO.	TIEAT NO.	468031
Ticator				
301:		is / / Divi	Name Karl V. Savage	<u> </u>
19. Planner bow	Signature	Date		
20. ISI Engineer	Bridge	Date Print I	Name Ramakant P. Inda	p
Of ANII OK	Signature		Name Robert G. Hogstro	om
21. ANII <u> </u>	( Signature	Date		

FORM	NIS-2 OWNE As Required t				_			MENTS
1. Owner <u>Arizona</u>	Public Service Co	mpany, et. al.			Date		10/10/00	
	x 53999, Phoenix.							
2. Plant <u>Palo Ve</u>	rde Nuclear Genera	ating Station			Unit		2	
	Wintersburg Rd.,	lame						
3. Work Performed b	oy <u>Arizona Public</u>	Service Compa	any					None
							lo. N	
5801 S.	Wintersburg Rd. T	onopah Arizo	na, 85354-	7529	Expiration	n Date	N/2	<u>A</u>
4. Identification of Sy	stem RC, ASM	IE Section III,	Class 1					
5. (a) Applicable Co	nstruction Code Sect	ion III, Class 1	1971	Edition,	W/'73	_ Adde	enda,	Code Case
(b) Applicable Ed	ition of Section XI Utiliz	zed for Repairs or	Replacemer	nts 19	92 Edit	tion, _]	1992 Adden	ıda
6. Identification of Co	omponents Repaired o	r Replaced and R	teplacement (	Compoi	nents			
Name of Item	Name of Manufacturer	Manufacturer Serial No.	National Board No.	O Identi	ther fication	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)
Heater	Watlow	ΙK	nla				Replacement	20
								1 - 1 - 1 - 1 - 1
· · · · · · · · · · · · · · · · · · ·								
7. Description of Wo	rk Replace Defecti	ve Pressurizer	Heater, M	ake Fi	llet We	ld bet	ween Pzr Noz	zle and Htı
8. Test Conducted:	Hydrostatic P	neumatic 🔲	Nominal Ope	erating	Pressure		Exempt 🗹	N-416-1 🔲
	Other 🛄	Pressure	psi			Test Te	emp.	_°F
NOTE: Supplemer	ntal sheets in form of tems 1 through 6 on	this report is inc	cluded on ea	may tach she	e used, eet, and	provid (3) ead	led (1) size is 8 ch sheet is num	1/2 x 11 in., bered and

	FORM NIS-2 (Back)
Remarks	WO# 2317256
	CERTIFICATE OF COMPLIANCE
1	y that the statements made in the report are correct and this replacement conforms to the rules ME Code, Section XI.
1	de Symbol Stamp NA
j ·	e of Authorization No. NA Expiration Date
Signed _	Tre Hotal Solution Owner or Owner's Designee, Title  Owner or Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION  ersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessels and the State or Province of Arizona and employed by HSBI & I CO.
of <u>Har</u> the period belief, the	tford, Connecticut , have inspected the components described in this Owner's Report during
Report in	to 15-22-00, and state that to the best of my knowledge and Owner has performed examinations and taken corrective measures described in this Owner's accordance with the requirements of the ASME Code, Section XI.
By signin- concernir neither th	Owner has performed examinations and taken corrective measures described in this Owner's accordance with the requirements of the ASME Code, Section XI.
By signin- concernir neither th	e Owner has performed examinations and taken corrective measures described in this Owner's accordance with the requirements of the ASME Code, Section XI.  g this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied ng the examinations and corrective measures described in this Owner's Report. Furthermore, the Inspector nor his employer shall be liable in any manner for any personal injury or property

		ASME SECTION	ON XI - REPAIR/F	KEPLACEMENI			
1.	Component ID 2JS	SIBUV0628	2. Code Cla	ss 1			
ر ان	Item Description SIT 2B CHECK VALVE LEAK LINE ISOLATION VALVE.						
4.	N-5 Package Number 2RC01-3 5. W.O. Number 2322156						
6.	Original Construction Code Edition ASME Section III, Class 1, 1974 Edition, Summer 75 Addenda						
7.	Original Installation	Code Edition ASME	Section III, Class 1, 19	974 Edition, Winter 75	Addenda		
8.	•		lacement is required w				
					- <del></del>		
9.	ISI Flaw	NDE Method	of Flaw Detection Report Number				
10.	Evaluation of the s	uitability of this work a	s per the requirements of	IWA-4150.	12/12/201		
	N.	b-failure in	ASME bound	dary. TO 184	99A) 3/10/2000		
					NJ		
11	Repair/Replacemen	nt Work Organization	Arizona Public Service				
	•		iled Code/Edition ASM		Ed., S 75 Add.		
	•		Code/Edition ASME				
	•		Section XI, 1992 Edition				
	Preservice Inspecti		YES V				
	T. 09/26/00		e a step in the W.O. to per	form Preservice Inspecti	ion.		
	Initial Date	Pressure Test Required		10			
	T. 09/26/00		a step in the W.O. for IS	I & ANII Inspection.			
-23	Initial Date	<u> </u>	•		osing the component		
<u></u>	09/26/00	∪ 17. Include a step	in the W.O. to complete	MIO-2 FORM PRIOR to relea	ыну ше сотроненс		
Ž	09/26/00	0 18. Include a step	in the W.O. to record be	ow all applicable number	rs.		
	COMP I.D.	PART NO.	SERIAL NO.	HEAT NO.	ROS/EROS NO.		
	PIPE CAP	NIA	ム/4	C44	424679		
					·		
19	Planner	De Dan	09/26/00	Print Name James	I. Davis		
	ISI Engineer	Signature P	Date	<sup>©</sup> Print Name √ √ 、			
	0	Signature	Date 10- 3-00	Print Name_ R. C.			
21.	ANII	Signature	Date	i init (famo			

FOR	RM NIS-2 OWNE As Required	ER'S REPO by the Provis					EMENTS
1. Owner <u>Arizo</u>	na Public Service Co	ompany, et. al.		Date		10/29/00	)
	Box 53999, Phoenix						
	Verde Nuclear Gener	erating Station					
	S. Wintersburg Rd.,	name					
3. Work Performed	d by Arizona Public	Service Name				/mbol Stamp	
	~ ^ -	Address	zona 85354			NoN	
4. Identification of	System Safety In	jection					
(b) Applicable E	Construction Code ASI  Edition of Section XI Utili  Components Repaired of	lized for Repairs or	or Replacemer	ents 19 <u>92</u> Ed			
Name of Item	Name of Manufacturer	Manufacturer Serial No.	r National Board No.	Other Identification	Year n Built	Repaired or Replacement	ASME Code Stamped (Yes or No)
Valve	Fisher Controls	6540508	4472	2JSIBUV0628			Yes
Pipe Cap	N/A	N/A	N/A	2JSIBUV0628	2000	Replacement	No
7. Description of Wo	ork Replaced the lea	akoff piping pe	er the requir	rements of 13	3-PN-2	204	
3. Test Conducted:	Hydrostatic P	Pneumatic 🔲 🛚 I	Nominal Ope	erating Pressure		Exempt 🗹	N-416-1 🔲
	Other 🔲	Pressure	psi		Test Te	emp.	_°F
(2) information in i	ental sheets in form of items 1 through 6 on t eets is recorded at the	this report is incl	cluded on eac	may be used, .ch sheet, and	provid (3) ead	led (1) size is 8 ch sheet is num	1/2 x 11 in., bered and

PV-E0092 Ver. 6

		FORM	/I NIS-2 (Bac	:k)
9. R	Remarks	Work Order 2322156 replaced the	leakoff piping.	
				·
		CERTIFIC	CATE OF COMPLIA	ANCE
		y that the statements made in the re	eport are correct and th	nis replacement conforms to the rules repair or replacement
	Type Co	de Symbol Stamp		
1		e of Authorization No.	N/A	Expiration Date NA  Date /0/29/00
	Signed <u>/</u>	2L.Baceswing Jal 1	Designee, Title	Date <u>/3/29/65</u>
Γ	<del></del>	CERTIFICATE	OF INSERVICE IN	SPECTION
t t	Inspector of <u>Har</u> the period belief, the	lersigned, holding a valid commissions and the State or Province of <u>Artford, Connecticut</u> , have inspendent	on issued by the Nation izona and employed acted the components of the components of the components of the components of the corrective and taken corrective	hal Board of Boiler and Pressure Vessel by HSBI & I CO. described in this Owner's Report during the that to the best of my knowledge and measures described in this Owner's
r	concernir neither th		measures described in De liable in any manner	
		Inspector's Signature	Commissions	NB 9685 "N" "I" Az. 264 National Board, State, Province, and Endorsements
	Date	October 29, 2000		

	ASME SECTI	ON XI - REPAIR/F	REPLACEMENT	
1. Component ID 2JSC	GEPSV0576	2. Code Cla	ass ASME III, CLASS	2
		VALVE, 1315 PSIG RAT	ED (BS-08587)	
4. N-5 Package Numbe	r 2SG01-1A	5. W.O. Nu	mber <u>2325843</u>	
6. Original Construction	Code Edition 1974 EI	DITION, SUMMER 1975	ADDENDA	
		TION, WINTER 1975 AI		
8. Work Description Re	placement of valve spir	dle during reconditioning	/overhaul.	
·				
	NDEA	A II I I I I I I I I I I I I I I I I I		
9. 🛄 ISI Flaw	NDE N	lethod of Flaw Detection		
10 Evaluation of the su	itability of this work as n	Report Number er the requirements of IAV	V-4150.	
Replacement spind	le came from another sp	oare valve (bs-08610). 🔟	he replaced spin	dlewas
Blightly ben	t. Remdap	10-10-2000	, ,	
11. Repair/Replacemen	t Work Organization <u>W</u>	yle laboratorie, Weastern	Service Center.	
		d Code/Edition ASME II		S'75
		ode/Edition ASME III C		
		TON AND 1992 ADDEN		
15. Preservice Inspection	on Required.	<b>□</b> Y	ES 🗹 NO	
Dung 10/10/0		e a step in the W.O. to per	rform Preservice Inspecti	ion.
16. ASME Section XI Pr			ES 🗹 NO	
Pun G 10/10/0		e a step in the W.O. for ISI		
Initial Date Des G 10/10/0		o in the W.O. to complete		sing the component.
Initial Date  Dunly 10/10/0	<del></del>	o in the W.O. to record bel		
Initial Date	replacement	items.		
ITEM I.D.	PART NO.	SERIAL NO. 1G2509	HEAT NO. NA	MR/ROS NO.
SPINDLE	NA NA	102309	IVA	132
				· -
				<u> </u>
		<del> </del>		
19. Planner Dans	Im Sudet	10-10-00 Print N	Name David Goodlet	
	Signature	Date		
20. ISI Engineer	, Signature	0-10-50 Print N	Name Ramakant Indap	
21. ANII 25	Jugs tome		Name Robert Hogstrom	
	Signature	Date		

FORM	NIS-2 OWNE As Required by						:MENTS
1. Owner <u>Arizona</u>	Public Service Co	ompany, et. al.		Date		10/10/00	
	x 53999, Phoenix.						
2. Plant <u>Palo Ver</u>	rde Nuclear Genera	ating Station		Unit		2	
<u>5801 S.</u>	Wintersburg Rd., 7	<sup>Name</sup> Tonopah, Arizo <sup>Address</sup>	ona 85354	-7529		WO# 2325843 Work Order Number	3
3. Work Performed b	by Wyle lab., West	Name	enter			mbol Stamp NoN	
Beaumo	ont, Ca. 92223			Expiratio			/A
	A HIGGIL A	Address				·	
4. Identification of Sy	/stem <u>50 - 1/11</u>	AIN STEAM	<del></del>				
5. (a) Applicable Co	onstruction Code ASM	AE III CLASS	2 19 74	Edition, S'75	_ Adde	enda,	_ Code Case
(b) Applicable Edi	dition of Section XI Utiliz	zed for Repairs or	r Replacemer	nts 19 <u>92</u> Edit	tion, _	1992 Adde	nda
6. Identification of Co	omponents Repaired o	r Replaced and R	Replacement (	Components			
Name of Item	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired or Replacement	ASME Code Stamped t (Yes or No)
Spindle	Dresser	1G2509	NA			Replacement	
,,							
7. Description of Wo	ork <u>REPLACED SP</u>	INDLE DURI	ING VAL	/E OVERHA	UL.		
8. Test Conducted:	Hydrostatic F	Pneumatic 🔲	Nominal Opr	erating Pressure		Exempt 🗹	N-416-1 🔲
	Other 🔲	Pressure	psi		Test T	emp.	°F
(2) information in it	ntal sheets in form of tems 1 through 6 on ets is recorded at the	this report is inc	cluded on ea	may be used, ach sheet, and	provid (3) ea	led (1) size is 8 ch sheet is nun	1/2 x 11 in., nbered and

PV-E0092 Ver. 6

		FORM NIS-2 (Back)
9.	Remarks	WO# 2325843 documented the overhaul of safety valve 2JSGEPSV0576 at Wyle labs. The spindle was found slightly bent so it was replaced with a spindle removed from a spare valve (s/n# B08610).
	<u> </u>	CERTIFICATE OF COMPLIANCE
	of the AS	by that the statements made in the report are correct and this replacement conforms to the rules of the code, Section XI.
	1	e of Authorization No. N/A Expiration Date 5/A  Consulting Met-Engineer Date 10-13-670  Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION
 I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Arizona and employed by HSBI & I CO.  of Hartford, Connecticut, have inspected the components described in this Owner's Report during the period 10-10-00 to 10-4-00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Commissions National Board, State, Province, and Endorsements
Date October 14, 2000

ASME SECTION XI - REPAIR/REPLACEMENT						
1. Component ID 2M	RCEB18	2. Code Cl	ass ASME Section III,	Class 1		
3. Item Description R	EACTOR COOLANT S	YSTEM PRESSURIZER	HEATER			
4. N-5 Package Numb	er 2RC01-1A	5. W.O. Nu	mber <u>2328915</u>			
6. Original Constructio	n Code Edition ASME	Section III, Class 1, 1971	Edition, Winter 1973 A	ddenda		
· ·	·	ection III, Class 1, 1974 E				
	emove Plug From Heate abricated in the PVNGS	r Sleeve to Support Eddy- machine Shop.	-Current Test of the Slee	eve, Install new Plug		
			·			
9. 🔲 ISI Flaw	NDE N	lethod of Flaw Detection	N/A			
		Report Number N				
	· ·	er the requirements of IA\	<i>N</i> -4150.			
No Failure on As	SME Pressure Retaining	Boundary.				
11 Renair/Renlacemen	nt Work Organization A	PS	·			
	·-	d Code/Edition ASME S	ec III Cl 1/'71 Edition '7	3 Winter Addenda		
		ode/Edition ASME Sec.				
•	-	tion XI, 1992 Edition, 199		75 Willer Addenda		
			ES 🗹 NO			
15. Preservice Inspect	•	و من e a step in the W.O. to pe	<del>-</del>	tion.		
Initial Date	moquilou, morau		·			
16. ASME Section XI P	•	· · · · · · · · · · · · · · · · · · ·	ES 🗓 NO			
N/A Initial Date		e a step in the W.O. for ISI	·			
KVS   Date		in the W.O. to complete I				
KVS Initial Date	18. Include a step replaced item	o in the W.O. to record bells.	ow all applicable numbe	ers for repaired or		
COMP I.D.	PART NO.	SERIAL NO.	HEAT NO.	MR/ROS NO.		
Plug						
			`			
			· · · · · · · · · · · · · · · · · · ·			
		<u> </u>				
		·				
19. Planner Koul	Signature	Us (13 /20 € €) Print N	lame <u>Karl V. Savage</u>			
20. ISI Engineer	2Indap		lame Ramakant P. Inda	p		
21. ANII	Signature)		lame Robert G. Hogstr	om		
•	Signature	Date				

FORM	As Required	by the Provisi						CEMI	ENIS
1. Owner <u>Arizona</u>	Public Service Co	ompany, et. al.			Date	· · · · · · · · · · · · · · · · · · ·	10/13/	<u>′00</u>	
	x 53999, Phoenix,								
2. Plant <u>Palo Ve</u>	rde Nuclear Gener	rating Station		·	Unit		2		
	Wintersburg Rd.,								<u> </u>
3. Work Performed I	by Arizona Public	Service Compa	any		Type Co	de Syn	nbol Stamp	N	lone
		Name					lo		
5801 S.	Wintersburg Rd.	Tonopah Arizon	na, 85354-	7529	Expiration	n Date		N/A	
4. Identification of S	חת אמ	ME Section III,	Class 1						
	onstruction Code Sec	tion III, Class 1	19 <u>71</u>	Edition,	W/'73	_ Adde	enda,	Co	ode Case
(b) Applicable Ec	dition of Section XI Util	ized for Repairs or	r Replacemer	nts 19	<u>92</u> Edit	ion,	1992 A	ddenda	•
6. Identification of C	omponents Repaired o	or Replaced and R	leplacement (	Compo	nents				
Name of Item	Name of Manufacturer	Manufacturer Serial No.	National Board No.	O Ident	ther ification	Year Built	Repaire or Replacem		SME Code Stamped Yes or No)
PLUG							Replaceme	1	
,1									
				<u> </u>					
7. Description of Wo	ork Replace Pressu	rizer Heater Sle	eeve Plug.	2MR(	CEB18.				· ————
8. Test Conducted:	Hydrostatic	Pneumatic 🔲	Nominal Ope	erating	Pressure		Exempt 🗹	N-4	416-1
	Other 🔲	Pressure	psi			Test Te	emp	°F	F .
(2) information in i	ntal sheets in form o items 1 through 6 or eets is recorded at th	n this report is inc	cluded on ea						

	ASME SECTI	ON XI - REPAIR/I	REPLACEMENT	-
1. Component ID 2M	CHNX01	2. Code C	lass ASME SEC. III C	CL.2
3. Item Description $\underline{V}$	OLUME CONTROL TA	NK		
4. N-5 Package Numb	er 2CH03-4A	5. W.O. Nu	ımber <u>2332261</u>	
6. Original Constructio	n Code Edition 1974 ED	DITION, WINTER 1975	ADDENDA	
7. Original Installation	Code Edition 1974 EDI	TION, WINTER 1975 A	DDENDA	
	EPLACEMENT OF TAI VARPAGE OF SEATING		ABRICATED MANW	AY DUE TO
9. <b>1</b> ISI Flaw	NDF M	lethod of Flaw Detection		
3. <u>L. 1</u> 0. 1 10. 1	,	Report Number		
10. Evaluation of the st	uitability of this work as pe	<u> </u>		
The suiTABILL	TX OF The Reph	Henry 15 FOREN	IN The DISPO	
	CAUSCOF FAIL			E, The Replacent
<u>COULIZ 15 1</u>	HICKER AND W	icc resist of	ARION	
11. Repair/Replacemer	nt Work Organization _Al	PS		
	Construction or reconciled		CL. 2/'74 ED. '75 W'AI	DD
·	at Activity Construction Co			
•	ode/Edition 1992 EDIT		21 1 1 22. 11 10 222	
			ES 🗹 NO	
15. Preservice Inspecti	•	۲ e a step in the W.O. to pe		
Initial Date	ii iequirea, inciaac	a step in the iv.o. to po	1101111 1 16361 1100 111000	cuon.
16. ASME Section XI Pr	ressure Test Required	<b>☑</b> Y	ES 🛄 NO	
	00 If required, include	a step in the W.O. for ISI	& ANII Inspection.	
10/24/0	00 17. Include a step	in the W.O. to complete I	NIS-2 Form prior to rele	easing the component.
Initial Date   10/24/0		in the W.O. to record bel	ow all applicable numb	ers for repaired or
Initial Date	replacement it	ems. SERIAL NO.	HEAT NO.	MR/ROS NO.
Manway bolts (2)	APN# 43110047	N/A	E9	478240
Manway nuts (4)	APN# 43110047	N/A	06	478240
Manway (fabricated)	APN# 43640330	N/A	25527	MR# 20902
Manway mounting aids	APN# 43115000	N/A	868450	478267
			7	
			<u> </u>	
19. Planner	Bouray 1	Print N	lame JIM BOULANG	ER
20. ISI Engineer	1/2/2/2		lame 12-1312	XVXIVA
21 ANII 25	Signature	Date		
21. ANII	Signature (Signature	Date Print N	lame BOB HOGSTRO	DM

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

						•••		<del></del>
1. Owner <u>Arizona</u>	Public Service Co	mpany, et. al.			Date		10/24/00	·····
	x 53999, Phoenix,	Arizona 85072						
Address  2. Plant Palo Verde Nuclear Generating Station Unit Unit 2							- <u>-</u>	
	Wintersburg Rd., 7							
								<b>3.</b> 7
3. Work Performed b	y Arizona Public	Service Compa	any					None
							o. <u>N</u>	
5801 S.	Wintersburg Rd.,T	onopah, Arizo	na 85354-	7529_	Expiration	n Date	N/.	<u>A</u>
4. Identification of Sy	rstem <u>CH, Chen</u>	nical Volume (	Control Sys	stem,	ASME	SEC.I	II, CL.2	
5 (a) Applicable Co	nstruction Code ASN	Æ SEC III CI	2 1974	Edition.	W'75	Adde	enda.	Code Case
(b) Applicable Ed	ition of Section XI Utiliz	zed for Hepairs or	Replacemen	115 19	<u>92</u> Eui		Adder	iua
6. Identification of Co	omponents Repaired o	r Replaced and R	teplacement (	Compo	nents			
Name of	Name of	Manufacturer	National	0	ther	Year	Repaired or	ASME Code Stamped
Item	Manufacturer	Serial No.	Board No.	Identi	fication	Built	or Replacement	(Yes or No)
Manway(fabricated)	APS	N/A	N/A	2MC	HNX01	2000	Replacement	No
Manway bolts(2)	N/A	N/A	N/A	2MC	HNX01	2000	Replacement	No
Manway nuts (4)	N/A	N/A	N/A	2MC	HNX01	2000	Replacement	No
manway mounting aid	N/A	N/A	N/A	2MC	HNX01	2000	Replacement	No
				_ :: :				
								1 0 1 1. /
7. Description of Wor	k Due to original	being warped,	replaced wa	fabric	ated ma	anway	, mounting ai	ds & bolts/
8. Test Conducted:	Hydrostatic F	neumatic 🔲	Nominal Ope	erating	Pressure	Ø	Exempt	N-416-1 🔲
	Other	Pressure	psi			Test Te	emp	_°F
(2) information in it	ital sheets in form of ems 1 through 6 on ets is recorded at the	this report is inc	luded on ea	may buch she	e used, eet, and	provid (3) ead	led (1) size is 8 ch sheet is num	1/2 x 11 in., bered and
							· · · · · · · · · · · · · · · · · · ·	

the number of sheets is recorded at the top of this form.

PV-E0092 Ver. 6

		FORM NIS-2 (Back)
9.	Remarks	New manway fabricated per ENG dfwo# 2332259 and DIDF wo# 2332261
		CERTIFICATE OF COMPLIANCE
		by that the statements made in the report are correct and this replacement conforms to the rules repair or replacement.
	Type Cod	de Symbol Stamp N/A
	Certificat	e of Authorization No. N/A Expiration Date  Consulting Met. Engineer Date 10-31-2002  Owner or Owner's Designee, Title
ļ		CERTIFICATE OF INSERVICE INSPECTION
	of <u>Har</u> the period belief, the	ersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel is and the State or Province of <u>Arizona</u> and employed by <u>HSBI &amp; I CO.</u> tford, Connecticut, have inspected the components described in this Owner's Report during to <u>10-25-∞</u> , and state that to the best of my knowledge and Owner has performed examinations and taken corrective measures described in this Owner's accordance with the requirements of the ASME Code, Section XI.
	concernin	this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, g the examinations and corrective measures described in this Owner's Report. Furthermore, e Inspector nor his employer shall be liable in any manner for any personal injury or property or a loss of any kind arising from or connected with this inspection.
	La	Commissions NS 9685 "N" "(" Az. 264)  (hspector's Signature National Board, State, Province, and Endorsements
		October 31, 2000

ASME SECTION XI - REPAIR/REPLACEMENT					
1. Component ID 2PS	IBV405	2. Code Class 2			
3. Item Description HPSI PUMP 2 CHECK VALVE					
4. N-5 Package Number <u>2SI09-3</u> 5. W			ımber <u>2332277</u>	·	
6. Original Construction Code Edition ASME SECTION III, CLASS 2 1974 EDITION, WINTER 75 ADDENDA					
7. Original Installation Code Edition ASME SECTION III, CLASS 2 1974 EDITION, WINTER 75 ADDENDA					
8. Work Description REPLACE THE BONNET ARM AND DISC ASSEMBLY					
9. ISI Flaw NDE Method of Flaw Detection					
Report Number					
10. Evaluation of the suitability of this work as per the requirements of IAW-4150.					
Valve bounet, Swing arm and disc were being replaced					
TET Claw found also monow 10/28/00					
11. Repair/Replacement Work Organization ARIZONA PUBLIC SERVICE					
12. Replacement Item Construction or reconciled Code/Edition ASME SECT III, CLASS 2 1974 EDITION, W 75 ADI					
13. Repair/Replacement Activity Construction Code/Edition ASME SECT III, CLASS 2 1974 EDITION, W 75 ADD					
14. ASME Section XI Code/Edition ASME SECT XI, 1992 EDITION, 92 ADD					
15. Preservice Inspection Required.  If required, include a step in the W.O. to perform Preservice Inspection.					
16. ASME Section XI Pressure Test Required and analysis and a VES NO					
16. ASIME Section At Pressure rest required  1.0 28.00 If required, include a step in the W.O. for ISI & ANII Inspection.					
17. Include a step in the W.O. to complete NIS-2 Form prior to releasing the component.					
18. Include a step in the W.O. to record below all applicable numbers for repaired or					
Initial Date	PART NO.	SERIAL NO.	HEAT NO.	MR/ROS NO.	
Bonnet, arm, disc asmy	75939	217038-1	N/A	479164	
	. 10	the same of the same			
		HARLEST CHARLES TO SERVICE	1100		
	eta C	grand and the second	100 0 000		
		The State of the S			
19. Planner Signature Date Print Name Armies L. Davis					
20. ISI Engineer alan Monow 10/28/00 Print Name Alon Morrow					
Signature Date					
21. ANII BOB 1406	21. ANII BOB HOGSTREEN TREMEROW Print Name BOB HOGSTROM  Signature 10-29-00 Date				

PV-E0093 Ver. 6

#### FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI 1. Owner Arizona Public Service Company, et. al. Date 10/30/00 P.O. Box 53999, Phoenix, Arizona 85072-2034 Sheet 1 of 2 \_\_\_\_\_ Unit \_\_\_\_ 2. Plant Palo Verde Nuclear Generating Station 5801 S. Wintersburg Rd., Tonopah, Arizona 85354-7529 3. Work Performed by Arizona Public Service Type Code Symbol Stamp None Authorization No. N/A N/A 5801 S. Wintersburg Rd., Tonopah, Arizona 85354-7529 Expiration Date Safety Injection 4. Identification of System 5. (a) Applicable Construction Code ASME Sect III, Cl 2 19 74 Edition, W75 Addenda, Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 92 Edition, 1992 Addenda te Apartic (Applicant) Af 6. Identification of Components Repaired or Replaced and Replacement Components Repaired ASME Code Other Year Manufacturer National Name of Name of Stamped Board No. Identification Built Replacement Serial No. Item Manufacturer (Yes or No) 2PSIBV405 1978 Repaired Yes Borg-Warner 31775 N/A Valve 1991 Replacement Yes 217038-1 .. N/A .. 2PSIBV405 Borg-Warner Bonnet/disc assy. 8 447 81 7. Description of Work Replaced the bonnet, arm and disc assembly Pneumatic Nominal Operating Pressure Exempt N-416-1 8. Test Conducted: Hydrostatic Pressure\_\_ Test Temp.

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 x 11 in., (2) information in items 1 through 6 on this 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.

	Section 1 And Section 2 And Se
Remarks	Work order 2332277 replaced the bonnet, arm and disc assembly
	CERTIFICATE OF COMPLIANCE
	y that the statements made in the report are correct and this repair conforms to the rules ME Code, Section XI.
Type Co	de Symbol Stamp
Certificat	e of Authorization No. Expiration Date
Signed Z	26-Barrowing / 12 (18) 15/50D Date 11/1/00
	Owner or Owner's Designee, Title
	the company of the co
·	CERTIFICATE OF INSERVICE INSPECTION
<del></del>	CERTIFICATE OF INSERVICE INSPECTION
I, the und	lersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspector	lersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel s and the State or Province of Arizona and employed by HSBI & I CO.
of <u>Ha</u>	lersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel s and the State or Province of <u>Arizona</u> and employed by <u>HSBI &amp; I CO.</u> <a doc.order.com="" href="https://doc.order.com/reford.c&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;of &lt;u&gt;Ha&lt;/u&gt; the perio&lt;/td&gt;&lt;td&gt;lersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel and the State or Province of &lt;u&gt;Arizona&lt;/u&gt; and employed by &lt;u&gt;HSBI &amp; I CO.&lt;/u&gt;  Intercritical to the components described in this Owner's Report during to to to to the components of the componen&lt;/td&gt;&lt;/tr&gt;&lt;tr&gt;&lt;td&gt;of &lt;u&gt;Ha&lt;/u&gt; the perio&lt;/td&gt;&lt;td&gt;lersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel s and the State or Province of &lt;u&gt;Arizona&lt;/u&gt; and employed by &lt;u&gt;HSBI &amp; I CO.&lt;/u&gt;  &lt;a href=" https:="" reford.c<="" reford.com="" td=""></a>
Inspector of <u>Ha</u> the perio belief, the	dersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessels and the State or Province of <u>Arizona</u> and employed by <u>HSBI &amp; I CO.</u> **rtford, Connecticut**, have inspected the components described in this Owner's Report during to to to to to to to to to to to to to
Inspector of <u>Ha</u> the perio belief, the Report in	lersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessels and the State or Province of Arizona and employed by HSBI & I CO.  Interferd, Connecticut , have inspected the components described in this Owner's Report during to 10-29-00 , and state that to the best of my knowledge and a Owner has performed examinations and taken corrective measures described in this Owner's accordance with the requirements of the ASME Code, Section XI.
Inspector of <u>Ha</u> the perio belief, the Report in	lersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessels and the State or Province of Arizona and employed by HSBI & I CO.  Interford, Connecticut have inspected the components described in this Owner's Report during to 10-29-00 to 10-1-00 had state that to the best of my knowledge and a Cowner has performed examinations and taken corrective measures described in this Owner's accordance with the requirements of the ASME Code, Section XI.  In this certificate, neither the Inspector nor his employer makes any warranty, expressed or implieding the examinations and corrective measures described in this Owner's Report. Furthermore,
Inspector of Ha the perio belief, the Report in  By signin concerni neither th	dersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel and the State or Province of Arizona and employed by HSBI & I CO.  **Interferd. Connecticut**, have inspected the components described in this Owner's Report during to 10-24-00, and state that to the best of my knowledge and a Owner has performed examinations and taken corrective measures described in this Owner's accordance with the requirements of the ASME Code, Section XI.  **Interfered**: The importance of the ASME Code of the A
Inspector of Ha the perio belief, the Report in  By signin concerni neither th	lersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessels and the State or Province of Arizona and employed by HSBI & I CO.  Interford, Connecticut have inspected the components described in this Owner's Report during to 10-29-00 to 10-1-00 had state that to the best of my knowledge and a Cowner has performed examinations and taken corrective measures described in this Owner's accordance with the requirements of the ASME Code, Section XI.  In this certificate, neither the Inspector nor his employer makes any warranty, expressed or implieding the examinations and corrective measures described in this Owner's Report. Furthermore,
Inspector of Ha the perio belief, the Report in  By signin concerni neither th	dersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel is and the State or Province of Arizona and employed by HSBI & I CO.  Interford, Connecticut I have inspected the components described in this Owner's Report during the local to II-1-00 III and state that to the best of my knowledge and a Owner has performed examinations and taken corrective measures described in this Owner's accordance with the requirements of the ASME Code, Section XI.  In this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied the examinations and corrective measures described in this Owner's Report. Furthermore, the Inspector nor his employer shall be liable in any manner for any personal injury or property or a loss of any kind arising from or connected with this inspection.
Inspector of Ha the perio belief, the Report in  By signin concerni neither th	dersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessels and the State or Province of Arizona and employed by HSBI & I CO.  Interford, Connecticut IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
Inspector of Ha the perio belief, the Report in  By signin concerni neither th	dersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel and the State or Province of Arizona and employed by HSBI & I CO.  **Interferd. Connecticut**, have inspected the components described in this Owner's Report during to 10-24-00, and state that to the best of my knowledge and a Owner has performed examinations and taken corrective measures described in this Owner's accordance with the requirements of the ASME Code, Section XI.  **Interfered**: The importance of the ASME Code of the A
Inspector of Ha the perio belief, the Report in  By signin concerni neither th	dersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel is and the State or Province of Arizona and employed by HSBI & I CO.  Interford, Connecticut I have inspected the components described in this Owner's Report during to 10-24-00 to 14-1-00 and state that to the best of my knowledge and a Owner has performed examinations and taken corrective measures described in this Owner's accordance with the requirements of the ASME Code, Section XI.  In this certificate, neither the Inspector nor his employer makes any warranty, expressed or implieding the examinations and corrective measures described in this Owner's Report. Furthermore, the Inspector nor his employer shall be liable in any manner for any personal injury or property or a loss of any kind arising from or connected with this inspection.

ASME SECTION XI - REPAIR/REPLACEMENT									
1. Component ID 2JSIBUV0659 2. Code Class ASME SECTION III, CLASS 2									
-		SOLENOID VALVE MO							
4. N-5 Package Number 2SI09-3 5. W.O. Number 002333124									
6. Original Construction Code Edition 1974 EDITION, ADDENDA WINTER 1976									
7. Original Installation Code Edition 1974 EDITION, ADDENDA WINTER 1975									
8. Work Description REMOVE AND REPLACE VALVE.									
	NDE I	Method of Flaw Detection							
9. 🔲 ISI Flaw	NUL			•					
10 Evaluation of the st	itability of this work as a	per the requirements of IAV	W-4150						
		OUNDRY FAILURE. VA		E TO SLOW					
STROKE TIME C									
		na							
	nt Work Organization <u>A</u>								
12. Replacement Item (	Construction or reconcile	ed Code/Edition 1974 ED	ITION ADDENDA W	NTER 1976					
13. Repair/Replacemer	nt Activity Construction C	Code/Edition 1974 EDITION	ON, ADDENDA WIN	TER 1975					
14. ASME Section XI C	ode/Edition 1992 EDI	ΓΙΟΝ, ADDENDA 1992							
15. Preservice Inspect	ion Required.	□ Y	ES 🗹 NO						
		de a step in the W.O. to pe	rform Preservice Inspe	ction.					
Initial , Date		15°24	<b>-</b>						
16. ASME Section XI P	•	<b>2</b> Y	JA . 5	7.00					
Initial Date	<del></del>	e a step in the W.O. for ISI							
Initial Date	17. Include a ste	p in the W.O. to complete i	NIS-2 Form prior to rele	easing the component.					
		p in the W.O. to record bel	ow all applicable numb	ers for repaired or					
Initial Date	replacement	SERIAL NO.	HEAT NO.	MR/ROS NO.					
Valve	774-002	007	HEAT NO.	474874					
1 0									
19. Planner & O	Signature	/0/27/00 Print N	lame <u>6. Osm u</u>	ND SON					
20. ISI Engineer 🔀	Phidap	10-27-60 Print N	lame <u>6. Osmu</u> lame <u>R. P.</u>	INDAP					
Of ANIII	Signature	Date Drint A	lomo						
21. ANII	Signature	Date Print N	lame						

### As Required by the Provisions of the ASME Code Section XI 1. Owner Arizona Public Service Company, et. al. Date 10/02/00 P.O. Box 53999, Phoenix, Arizona 85072-2034 Sheet 1 of 2 2. Plant Palo Verde Nuclear Generating Station Unit \_\_\_\_\_\_ 5801 S. Wintersburg Rd., Tonopah, Arizona 85354-7529 002333124 Type Code Symbol Stamp 3. Work Performed by APS Name Authorization No. N/A 5801 S Wintersburg Rd, Tonopah, Arizona 85354-7529 Expiration Date N/A SI, ASME SECTION III, CLASS 2 4. Identification of System 5. (a) Applicable Construction Code Section III, CLASS 2 19 74 Edition, 75W Addenda, Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 92 Edition, 1992 Addenda .6. Identification of Components Repaired or Replaced and Replacement Components ASME Code Repaired Manufacturer Name of National Other Year Name of Stamped Board No. Identification Built Manufacturer Serial No. Item (Yes or No) Replacement 2jsibuv0659 1979 Replacement Yes N/A VALVE Target Rock 7. Description of Work REMOVE AND REPLACE VALVE 8. Test Conducted: Hydrostatic Exempt N-416-1 Pneumatic Nominal Operating Pressure Other | Test Temp. Pressure psi NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 x 11 in., (2) information in items 1 through 6 on this 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-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

### ASME SECTION XI - REPAIR/REPLACEMENT 2. Code Class ASME SECTION III CLASS 1 1. Component ID 2JRCBHV0108 3. Item Description 1 INCH SOLENOID OPERATED VALVE MODEL 98F-001 (TARGET ROCK) 5. W.O. Number SWMS#00-02310951 4. N-5 Package Number 2-RC03-2 6. Original Construction Code Edition 1977 EDITION, ADDENDA WINTER 1978 7. Original Installation Code Edition 1974 EDITION, ADDENDA WINTER 1974 8. Work Description REMOVE AND REPLACE VALVE PER PLANT CHANGE TO NEW STYLE VALVE 1 INCH MODEL# 98F-001 NDE Method of Flaw Detection 9. ISI Flaw Report Number 10. Evaluation of the suitability of this work as per the requirements of IAW-4150. BEING REPLACED PER PLANT CHANGE. NO FAILURE OF ASME SECTION III BOUNDRY. VALVE REPLACEMET IS TO ENHANCE VALVE PERFORMANCE WITH A NEW VALVE DESIGN. 11. Repair/Replacement Work Organization APS 12. Replacement Item Construction or reconciled Code/Edition 1977 EDITION, ADDENDA WINTER 1978 3. Repair/Replacement Activity Construction Code/Edition 1974 EDITION, ADDENDA WINTER 1974 14. ASME Section XI Code/Edition 1992 EDITION, ADDENDA 1992 ☐ YES 15. Preservice Inspection Required. 9/26/50 If required, include a step in the W.O. to perform Preservice Inspection. ☐ YES 16. ASME Section XI Pressure Test Required /00 If required, include a step in the W.O. for ISI & ANII Inspection. $^{\prime}_{ m OO}$ 17. Include a step in the W.O. to complete NIS-2 Form prior to releasing the component. 200 18. Include a step in the W.O. to record below all applicable numbers for repaired or replacement items. MR/ROS NO. HEAT NO. PART NO. SERIAL NO. ITEM I.D. MA 00470579-0006 98F-001 2JRCBHV0108 11 Print Name GERALD OSMUNDSON 19. Planner 9/29/60 Print Name J. ISI Engineer R.G. HOGSTRO Print Name 21. ANII Date

FORM	NIS-2 OWNE As Required I							EMENTS
1. Owner <u>Arizona</u>	Public Service Co	mpany, et. al.			Date		09/27/00	
				of				
2. Plant Palo Ve	rde Nuclear Genera	Address ating Station			Unit		2	
5801 S. Wintersburg Rd., Tonopah, Arizona 85354-7529 00-02310951  Address 00-02310951								
3. Work Performed b		lame					nbol Stamp	
		- 1 1		•			lo	
5801 S.	Wintersburg Rd.,	l onopah, AZ &	35354-7525	<del></del>	Expiration	n Date	<u>IN</u>	/A
4. Identification of Sy	ystem RC, ASM	E SECTION I	II, CLASS	1				
5. (a) Applicable Co	nstruction Code Sect	ion III, Class 1	19 74	Edition,	<u>W '75</u>	_ Adde	enda,	_ Code Case
(b) Applicable Ed	ition of Section XI Utiliz	zed for Repairs or	Replacemer	nts 19	<u>92</u> Edit	tion, _]	1992 Adde	enda
6. Identification of Co	omponents Repaired o	r Replaced and R	eplacement (	Compoi	nents			
Name of Item	Name of Manufacturer	Manufacturer Serial No.	National Board No.		ther fication	Year Built	1 01	ASME Code Stamped It (Yes or No)
Valve	Target Rock	11	N/A	2JRCE	HV0108	2000	Replacement	Yes
,•								
					:			
7. Description of Wor	rk Remove valve a	nd install new	style 1" va	ilve m	odel#9	98F-00	01	
8. Test Conducted:	Hydrostatic P	neumatic 🔲	Nominal Ope	erating	Pressure		Exempt 🗹	N-416-1 🔲
	Other	Pressure	psi			Test Te	emp	°F
NOTE: Supplemer (2) information in it	ntal sheets in form of tems 1 through 6 on	lists, sketches, this report is inc	or drawings cluded on ea	s may l ach she	oe used, eet, and	provid (3) ead	ded (1) size is ch sheet is nu	8 1/2 x 11 in., mbered and

PV-E0092 Ver. 6 73DP-9ZZ17

the number of sheets is recorded at the top of this form.

We certify to of the ASMI	nat the statements ne Code, Section XI.  Symbol Stamp of Authorization No.	made in the repo	N/1 14/A	nd this replace repair or	ement conform placement ation Date	v/h
of the ASMI Type Code Certificate of	E Code, Section XI.  Symbol Stamp  f Authorization No.	made in the repo	ort are correct a	nd this replace repair or	ution Date	v/h
of the ASMI Type Code Certificate of	E Code, Section XI.  Symbol Stamp  f Authorization No.	made in the repo	ort are correct a	nd this replace repair or	ution Date	v/h
of the ASMI Type Code Certificate of	E Code, Section XI.  Symbol Stamp  f Authorization No.	made in the repo	ort are correct a	nd this replace repair or	ution Date	v/h
of the ASMI Type Code Certificate of	E Code, Section XI.  Symbol Stamp  f Authorization No.	made in the repo	ort are correct a	nd this replace repair or	ution Date	v/h
of the ASMI Type Code Certificate of	E Code, Section XI.  Symbol Stamp  f Authorization No.	011	N/1 14/A	Fepair or repair	ution Date	v/h
Certificate of	f Authorization No.	011	N/A Signee, Title			2
	·	011	signee, Title			2
	·	011	signee, Title	ENG	Date <u>/0</u> /	130/00
		Owner or Owner's Des	signee, Title			,
I, the under	signed, holding a va	TIFICATE OF	issued by the N	ational Board o	f Boiler and Pre	ssure Vess
of <u>Hartfo</u> the period _ belief, the C	and the State or Provord, Connecticut  9-29-00  wner has performed cordance with the re	, have inspecte to <u>vo-31-00</u> d examinations a	ed the compone and taken corre	ents described in I state that to the active measures	n this Owner's F e best of my kn	Report durin owledge an
concerning neither the I	nis certificate, neithe the examinations an nspector nor his em a loss of any kind ar	nd corrective me iployer shall be l	asures describe liable in any ma	ed in this Owne Inner for any pe	r's Report. Furt	hermore,
	Inspector's Signal	lure	Commissio	ONS <u>NB 9になら</u> National Boar	ら"心"(" 人z. d, State, Province, and	スピリ Endorsements
Data (	)31_2	<u></u>				

		ION XI - REPAIR/F	REPLACEMENT	ſ					
1. Component ID 3JR	CBHV0109	2. Code Cl	ass ASME SECTION	III CLASS 1					
3. Item Description 1 I	NCH SOLENOID OPE	ERATED VALVE MODEI							
1	4. N-5 Package Number <u>2-RC03-2</u> 5. W.O. Number <u>SWMS#00-002310953</u>								
		DITION, ADDENDA WII							
!		ITION, ADDENDA WIN							
8. Work Description R	EMOVE AND REPLA	CE VALVE PER PLANT		STYLE VALVE					
_1	INCH MODEL# 98F-0	001							
9. 🔲 ISI Flaw	NDE	Method of Flaw Detection							
10. Evaluation of the su	uitability of this work as	per the requirements of IA	W-4150.	OUNDAY VALVE					
BEING REPLACE  REPLACEMENT	ED PER PLANT CHAI IS TO ENHANCE VA	NGE. NO FAILURE OF A LVE PERFORMANCE W	TTH A NEW VALVE	DESIGN.					
1001211211									
11. Repair/Replacemer									
		ed Code/Edition 1977 ED							
13. Repair/Replacemer	t Activity Construction	Code/Edition 1974 EDITION	ON, ADDENDA WIN	TTER 1974					
14. ASME Section XI C	ode/Edition 1992 EDI	TION, ADDENDA 1992							
15. Preservice Inspecti	on Required.	□ Y	ES 🗹 NO						
80 9/26/	on If required, inclu	de a step in the W.O. to pe	rform Preservice Insp	ection.					
16. ASME Section XI P	ressure Test Required	□ Y	ES 🗹 NO	)					
UPO 9/26/	Oo If required, include	de a step in the W.O. for IS	I & ANII Inspection.						
Initial Date	70 O 17. Include a ste	ep in the W.O. to complete	NIS-2 Form prior to re	leasing the component.					
Initial Date		ep in the W.O. to record be							
Initial Date	replacement	t items.		MR/ROS NO.					
ITEM I.D. 2JRCBHV0109	<b>PART NO.</b> 98F-001	SERIAL NO.	HEAT NO.	00470590-006					
ZJRCBH V0109	981-001	3/11/2	N						
	<u> </u>	- / · / · D: I	CERALD OSM	TINDSON					
19. Planner	Signature		Name GERALD OSM						
20. ISI Engineer	11/19	10-6-00 Print	Name <u> </u>	BROWNIE					
24	Signature	Date Drint N	Name R.C. Hoo	STROM					
21. ANII <u>~&lt;</u>	( Signature	Date Pillit	varie <u>10.00</u> . 100						

### FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI 1. Owner Arizona Public Service Company, et. al. Date \_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_ P.O. Box 53999, Phoenix, Arizona 85072-2034 Sheet 1 of 2 Unit \_\_\_\_\_ 2. Plant Palo Verde Nuclear Generating Station 5801 S. Wintersburg Rd., Tonopah, Arizona 85354-7529 Type Code Symbol Stamp None 3. Work Performed by APS Authorization No. N/A 5801 S. Wintersburg Rd., Tonopah, AZ 85354-7529 Expiration Date N/A RC, ASME SECTION III, CLASS 1 4. Identification of System 5. (a) Applicable Construction Code Section III, Class 1 19 74 Edition, W '75 Addenda, Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 92 Edition, 1992 Addenda 6. Identification of Components Repaired or Replaced and Replacement Components **ASME** Code Repaired Year Manufacturer National Other Name of Name of Stamped or Board No. Identification Built Manufacturer Serial No. Item Replacement (Yes or No) 2JRCBHV0109 2000 Replacement Yes N/A 12 Target Rock Valve 7. Description of Work Remove valve and install new style 1" valve model # 98F-001 Pneumatic Nominal Operating Pressure Exempt N-416-1 8. Test Conducted: Hydrostatic Test Temp. Pressure psi Other |

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 x 11 in., (2) information in items 1 through 6 on this 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-2 (Back)
9.	Remarks	WO#00-02310953
		CERTIFICATE OF COMPLIANCE
	1	fy that the statements made in the report are correct and this replacement conforms to the rules GME Code, Section XI.
	Type Co	de Symbol Stamp/バノA
		te of Authorization NoExpiration Date
	Signed_	R.L.18 ROCCOLING ALLAS 151 ENG. Date 10/31/00
		CERTIFICATE OF INSERVICE INSPECTION
	of <u>Ha</u> the perio	dersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel rs and the State or Province of <u>Arizona</u> and employed by <u>HSBI &amp; I CO.</u> **rtford, Connecticut, have inspected the components described in this Owner's Report during downer has performed examinations and taken corrective measures described in this Owner's accordance with the requirements of the ASME Code, Section XI.
	concernion	ing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, and the examinations and corrective measures described in this Owner's Report. Furthermore, are Inspector nor his employer shall be liable in any manner for any personal injury or property or a loss of any kind arising from or connected with this inspection.
		Commissions NB 9685 "N" "1" Az 2641  National Board, State, Province, and Endorsements
	Date	October 31, 2000

ASME SECTION XI - REPAIR/REPLACEMENT										
1. Component ID 2JSII	1. Component ID 2JSIBUV0636 2. Code Class ASME SECIII,CL2,74 ED,W,75 ADD									
3. Item Description RE	3. Item Description REWORK VALV INTERNALS TO PREVENT LEAKAGE THROUGH SEAT									
4. N-5 Package Number 2RC01-3B 5. W.O. Number 00-02318165										
6. Original Construction Code Edition 1974 EDITION, WINTER 75 ADDENDA										
7. Original Installation Code Edition 1974 EDITION, WINTER 75 ADDEMDA										
8. Work Description REMOVE BONNET SEAL WELD AND REWORK VALVE INTERNALS TO PREVENT LEAKAGE THROUGH SEATING SURFACES, REPLACE SEAL WELD										
9. 🔲 ISI Flaw	NDE M	ethod of Flaw Detection								
NO EAH HEE IN	ASMEROUNDARY N	er the requirements of IA\ EW INTERNALS WER KING THROUGH AND	E INSTALLED PER 1	DMWO 00787532 G TO ELIMINATE						
	t Work Organization AP									
		d Code/Edition 1974 ED								
		ode/Edition 1974 EDITC								
14. ASME Section XI Co	ode/Edition 1992 EDITI	ON AND 92 ADDENDA	<u> </u>							
15. Preservice Inspection	on Required.		ES 🗹 NO							
SEO 9-Z9.0	20 If required, include	e a step in the W.O. to pe	rform Preservice Inspe	ection.						
16 ASME Section XI Pr	essure Test Required	REP Y	ES NO							
11- 0/201	A A If required include	a step in the W.O. for IS	I & ANII Inspection.							
9/29/00 If required, include a step in the W.O. for ISI & ANII Inspection.  17. Include a step in the W.O. to complete NIS-2 Form prior to releasing the component.  18. Date  19. Date  1										
Date    17. Include a step in the W.O. to record below all applicable numbers for repaired or replacement items.										
ITEM I.D.	PART NO.	SERIAL NO.	HEAT NO.	MR/ROS NO.						
STEM & DISC ASSY	2000368	169	M873E	00261241-0001						
19. Planner	Signature 1	9/29/00 Print I	Name <u>G. OSMUNDS</u>	ON						
20. ISI Engineer	Hondap	Print l	Name R.P.	INDAP						
21. ANII 24,	Signature		Name R.C. Hoce	STROM						
21. AINII	Şignature	Date								

### FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI 1. Owner Arizona Public Service Company, et. al. Date 10/21/00 P.O. Box 53999, Phoenix, Arizona 85072-2034 Sheet 1 of 2 \_\_\_\_ Unit \_\_\_\_\_ 2. Plant Palo Verde Nuclear Generating Station 5801 S. Wintersburg Rd., Tonopah, Arizona 85354-7529 00-2318165 3. Work Performed by PALO VERDE NUCLEAR GEN PLANT Type Code Symbol Stamp None Authorization No. \_\_\_\_\_N/A 5801 S. WINTERSBURG RD. TONOPAH ARIZONA Expiration Date N/A 2RC01-3B 4. Identification of System 5. (a) Applicable Construction Code ASME SECTIII NC 19 74 Edition, W,75 Addenda, NA Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 92 Edition, 1992 Addenda 6. Identification of Components Repaired or Replaced and Replacement Components Repaired ASME Code Other Year Manufacturer National Name of Name of Stamped Board No. Identification Built Replacement Manufacturer Serial No. Item (Yes or No) 2JSIBUV0636 1979 Repaired Yes 51729 N/A VALVE **BORG WARNER** 2JSIBUV0636 2000 Replacement No 169 N/A BORG WARNER DISC 7. Description of Work REWORK VALVE INTERNALS TO STOP SEAT LEAKAGE Pneumatic Nominal Operating Pressure Exempt 🗹 N-416-1 🔲 8. Test Conducted: Hydrostatic Test Temp. °F Other Pressure psi

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 x 11 in., (2) information in items 1 through 6 on this 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-2 (Back)
9. Remarks	DIASSEMBLED VALVE, REPLACED STEM AND DISC ASSEMBLY TO CORRECT SEAT LEAKAGE ON EXISTING BORG WARNER VALVE S/N 51729 REINSTALLED SEAL
	WELD WO 00-02318165

CERTIF	FICATE OF COM	IPLIANCE
We certify that the statements made in the of the ASME Code, Section XI.	e report are correct a	and this replacement conforms to the rules
Type Code Symbol Stamp	NA	
Certificate of Authorization No.	NA	Expiration Date
Signed <u>Alan Mourow</u> Owner or Own	Sr ZST ner's Designee, Title	Engineer Date 10/21/00

## CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>Arizona</u> and employed by <u>HSBI &amp; I CO.</u> of <u>Hartford, Connecticut</u> , have inspected the components described in this Owner's Report during the period <u>9-29-00</u> to <u>10-21-00</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Commissions NB 9685 "N" "1" Az . 264  Inspector's Signature National Board, State, Province, and Endorsements
Date Ocroser 21,2000

PV-E0092 Ver. 6 BACK

1. Component IDPCHNV355	ASME SECTION XI - REPAIR/REPLACEMENT								
4. N-5 Package Number 2CH13-2 5. W.O. Number 2334018 6. Original Construction Code Edition 1974 EDITION, WINTER 1975 ADDENDA 7. Original Installation Code Edition 1974 EDITION, WINTER 1975 ADDENDA 8. Work Description GATE GUIDE ON VALVE BODY HAS PULLED AWAY FROM THE BODY AND IS REPING THE VALVE FROM ACTUATING COMPLETELY. GUIDE WILL BE REWORKED AND WELDED TO CORRECT CONDITION.  9. SI Flaw NDE Method of Flaw Detection Report Number 10. Evaluation of the suitability of this work as per the requirements of IAW-4150.  CANL. CUMBL. 5. Asc. T. PRESCRE. RETINATIVE MALERAL FLANCE AND ALLEGE AND RELIGIOUS AND ALLEGE AN	1. Component ID 2P	CHNV355	2. Code C	lass <u>ASME SEC III CL</u>	2				
6. Original Construction Code Edition 1974 EDITION, WINTER 1975 ADDENDA 7. Original Installation Code Edition 1974 EDITION, WINTER 1975 ADDENDA 8. Work Description GATE GUIDE ON VALVE BODY HAS PULLED AWAY FROM THE BODY AND IS KEPPING THE VALVE FROM ACTUATING COMPLETELY, GUIDE WILL BE REWORKED AND WELDED TO CORRECT CONDITION. 9. ISI Flaw NDE Method of Flaw Detection Report Number 10. Evaluation of the suitability of this work as per the requirements of IAW-4150.  6. CASHE SECONDAY OF THE RESCRIPT REPORT OF THE PROPERTY OF	3. Item Description 3	GATE VALVE - LOW	PRESSURE BORG WA	RNER					
7. Original Installation Code Edition1974 EDITION, WINTER 1975 ADDENDA 8. Work Description GATE GUIDE ON VALVE BODY HAS PULLED AWAY FROM THE BODY AND IS KEEPING THE VALVE FROM ACTUATING COMPLETELY. GUIDE WILL BE REWORKED AND WELDED TO CORRECT CONDITION.  9. SISI Flaw NDE Method of Flaw Detection Report Number	4. N-5 Package Number <u>2CH13-2</u> 5. W.O. Number <u>2334018</u>								
8. Work Description GATE GUIDE ON VALVE BODY HAS PULLED AWAY FROM THE BODY AND IS  KEEPING THE VALVE FROM ACTUATING COMPLETELY. GUIDE WILL BE  REWORKED AND WELDED TO CORRECT CONDITION.  9. ISI Flaw  NDE Method of Flaw Detection Report Number  10. Evaluation of the suitability of this work as per the requirements of IAW-4150.  CASC CURBLE OF TRESCUE RETAINING MALE VALUE AND CORRECT CONDITION.  11. Repair/Replacement Work Organization APS  12. Replacement them Construction or reconciled Code/Edition ASME SEC.III CL2/74 ED. 75 WADD  13. Repair/Replacement Activity Construction Code/Edition ASME SEC.III CL2/74 ED. 75 WADD  14. ASME Section XI Code/Edition 1992 EDITION, 1992 ADDENDA  15. Preservice Inspection Required.  16. ASME Section Section Required.  17. Include a step in the W.O. to perform Preservice Inspection.  18. Include a step in the W.O. to complete NIS-2 Form prior to releasing the component.  19. Planner	6. Original Construction Code Edition 1974 EDITION, WINTER 1975 ADDENDA								
REPRING THE VALVE FROM ACTUATING COMPLETELY, GUIDE WILL BE REWORKED AND WELDED TO CORRECT CONDITION.	7. Original Installation Code Edition 1974 EDITION, WINTER 1975 ADDENDA								
Report Number  10. Evaluation of the suitability of this work as per the requirements of IAW-4150.  CAST. CAUDE. 15. ACCT. PRESSURE. RETHINGO. MALERAL SALES CAUDE. 15. ACCT. PRESSURE. RETHINGO. MALERAL SALES CAUDE. 15. ACCT. PRESSURE. RETHINGO. MALERAL SALES CAUDE. 15. ACCT. REPORTS. ACCT.	KEEPING THE VALVE FROM ACTUATING COMPLETELY. GUIDE WILL BE								
10. Evaluation of the suitability of this work as per the requirements of IAW-4150.    Cart   Curre   IS   Arco T   PRESSCURE   RETAIN INC   MODIFIED   RESIDENCE    9. 🔲 ISI Flaw	NDE M	lethod of Flaw Detection							
CASC GUBBL   S. Not   PRESSCERE   RETHIN INC   Modern			Report Number						
12. Replacement Item Construction or reconciled Code/Edition ASME SEC.III CL2/'74 ED. '75 W'ADD  13. Repair/Replacement Activity Construction Code/Edition ASME SEC.III CL2/'74 ED. '75 W'ADD  14. ASME Section XI Code/Edition 1992 EDITION, 1992 ADDENDA  15. Preservice Inspection Required. YES NO  11/01/00 If required, include a step in the W.O. to perform Preservice Inspection.  16. ASME Section XI Pressure Test Required YES NO  11/01/00 If required, include a step in the W.O. for ISI & ANII Inspection.  11/01/00 17. Include a step in the W.O. to complete NIS-2 Form prior to releasing the component.  11/01/10 18. Include a step in the W.O. to record below all applicable numbers for replacement items.  11EM I.D. PART NO. SERIAL NO. HEAT NO. MR/ROS NO.  Valve body gate guide N/A N/A N/A N/A N/A N/A  19. Planner Asma Asma Include N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	CATCO GU	IDE 15 NOT	PRESSOUR 12 CURC BOWNDAD	274/NING M	AS OCCURED.				
13. Repair/Replacement Activity Construction Code/Edition ASME SEC.III CL2/74 ED. '75 W'ADD  14. ASME Section XI Code/Edition 1992 EDITION, 1992 ADDENDA  15. Preservice Inspection Required.  16. Preservice Inspection Required.  17. Include a step in the W.O. to perform Preservice Inspection.  18. ASME Section XI Pressure Test Required YES NO  11/01/00 If required, include a step in the W.O. for ISI & ANIII Inspection.  11/01/00 Date 17. Include a step in the W.O. to complete NIS-2 Form prior to releasing the component.  11/01/00 Date 11/01/00 18. Include a step in the W.O. to record below all applicable numbers for repaired or replacement items.  11EM I.D. PART NO. SERIAL NO. HEAT NO. MR/ROS NO.  Valve body gate guide N/A N/A N/A N/A N/A  19. Planner Amw Amy Amy Amy Amy Amy Amy Amy Amy Amy Amy	11. Repair/Replaceme	nt Work Organization <u>A</u>	PS						
14. ASME Section XI Code/Edition 1992 EDITION, 1992 ADDENDA  15. Preservice Inspection Required.	12. Replacement Item	Construction or reconcile	d Code/Edition ASME S	EC.III CL2/'74 ED. '75 '	W'ADD				
15. Preservice Inspection Required.    YES   NO	13. Repair/Replaceme	nt Activity Construction Co	ode/Edition ASME SEC	.III CL2/'74 ED. '75 W' <i>A</i>	ADD				
11/01/00   If required, include a step in the W.O. to perform Preservice Inspection.    16. ASME Section XI Pressure Test Required   YES   NO	14. ASME Section XI C	ode/Edition 1992 EDIT	ION, 1992 ADDENDA	· · · · · · · · · · · · · · · · · · ·					
Section XI Pressure Test Required   YES   NO			_		ion.				
11/01/00   17   17   17   17   17   18   17   17									
17. Include a step in the W.O. to complete NIS-2 Form prior to releasing the component.  18. Include a step in the W.O. to record below all applicable numbers for repaired or replacement items.  18. Include a step in the W.O. to record below all applicable numbers for repaired or replacement items.  18. Include a step in the W.O. to record below all applicable numbers for repaired or replacement items.  19. Planner  1	1 1	•	<del></del>	<del>_</del>					
19. Planner    Januar   Initial Date	•	•	·	soing the component					
19. Planner lams Con Brue farger 11/100 Print Name JAMES BOULANGER  20. ISI Engineer Lam Morrow  Signature Date  21. ANII Lat Late of Signature 11/100 Print Name BOB HOGSTROM	Initial Date 11/01/	00 18. Include a step	in the W.O. to record bel						
Valve body gate guide N/A N/A N/A N/A N/A  19. Planner James Brufarge 1/1/00 Print Name JAMES BOULANGER  20. ISI Engineer Alan Morrow  Signature Date  21. ANII A N/A N/A N/A N/A  Print Name JAMES BOULANGER  Print Name Alan Morrow  Print Name BOB HOGSTROM				HEAT NO.	MR/ROS NO.				
20. ISI Engineer Morrow IIIIOU Print Name Alan Morrow  Signature Date  21. ANII Inquition IIIIOU Print Name BOB HOGSTROM				N/A	N/A				
20. ISI Engineer Morrow  Signature  Notice  Print Name  Alan Morrow  Print Name  BOB HOGSTROM									
20. ISI Engineer Morrow  Signature  Date  21. ANII  Toyntom  Print Name  BOB HOGSTROM									
20. ISI Engineer Morrow  Signature  Date  21. ANII  Toyntom  Print Name  BOB HOGSTROM									
20. ISI Engineer Morrow  Signature  Date  21. ANII  Toyntom  Print Name  BOB HOGSTROM	<del></del>								
20. ISI Engineer Morrow  Signature  Date  21. ANII  Toyntom  Print Name  BOB HOGSTROM	•								
20. ISI Engineer Alan Morrow  Signature  Date  21. ANII Land Print Name BOB HOGSTROM	19. Planner Jan	nus a Bulange		lame JAMES BOULAN	IGER				
21. ANII Lat La Payrtiere 11-1-00 Print Name BOB HOGSTROM	20. ISI Engineer		w 11/1/00 Print N	lame <u>Alan A</u>	lorrow				
σισιαμίο	21. ANII 🛴	Signature  Lyntere  Signature	Date  N-1-00 Print N  Date	lame BOB HOGSTROM	<u>M</u>				

### FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI 1. Owner Arizona Public Service Company, et. al. Date 11/01/00 P.O. <u>Box 53999, Phoenix, Arizona 85072-2034</u> Sheet 1 of \_\_\_\_\_ 2. Plant Palo Verde Nuclear Generating Station Unit 5801 S. Wintersburg Rd., Tonopah, Arizona 85354-7529 2334018 Work Order Number 3. Work Performed by Arizona Public Service Company Type Code Symbol Stamp None Authorization No. \_\_\_\_\_N/A 5801 S. Wintersburg Rd. Tonopah, Arizona 85354-7529 Expiration Date N/A CH, Chemical Volume Control System, ASME Sec. III Cl.2 4. Identification of System 5. (a) Applicable Construction Code ASME SEC III CL2 19 74 Edition, W'75 Addenda, Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 92 Edition, 1992 Addenda 6. Identification of Components Repaired or Replaced and Replacement Components Repaired ASME Code Name of Name of Manufacturer National Other Year Stamped Item Manufacturer Serial No. Board No. Identification Built Replacement (Yes or No) Valve body gate guide Borg Warner N/A 2PCHNV355 N/A 1980 Repaired No 7. Description of Work Valve guide on body of valve has pulled away and needs to be welded back in place Pneumatic Nominal Operating Pressure 8. Test Conducted: Hydrostatic Exempt N-416-1 Pressure psi Other Test Temp. NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 x 11 in.,

(2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and

PV-E0092 Ver. 6

the number of sheets is recorded at the top of this form.

	FORM NIS-2 (Back)	
9. Remarks	ENG DFWO# 2334003 / DI WO# 2334018(IMPLEMENTATION DOCUMENT) BOLL WARDER VALVE SLO 61539 BUILT 1980	
<del></del>		
	CERTIFICATE OF COMPLIANCE	
	fy that the statements made in the report are correct and this repair conforms to the rules GME Code, Section XI.	
Type Cod	de Symbol Stamp N/A	
	e of Authorization No. N/A Expiration Date	.
Signed <u>/</u>	21. Barns x01101 RILLA 151 E OUL Date 11/2/00	.
		_
	CERTIFICATE OF INSERVICE INSPECTION	
Inspectors	ersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel s and the State or Province of <u>Arizona</u> and employed by <u>HSBI &amp; I CO.</u>	
the period belief, the	tford, Connecticut, have inspected the components described in this Owner's Report during to to to to to to to to to to to to to	
By signing concerning neither the	g this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, g the examinations and corrective measures described in this Owner's Report. Furthermore, e Inspector nor his employer shall be liable in any manner for any personal injury or property or a loss of any kind arising from or connected with this inspection.	
	Commissions AB 8685 "N" "1" Az 2641  Inspector's Signature National Board, State, Province, and Endorsements	
Date	u-2-00	

		ASME SECTION	ON XI - REPAIR/F	REPLACEMENT	
1.	Component ID 2JS	SIBUV0332	2. Code Cla	ss 1	
3.	Item Description	HOT LEG INJECTIO	N CHECK VALVE L	EAK LINE ISOLAT	ON VALVE.
4.	N-5 Package Numb	per 2RC01-1B	5. W.O. Num	nber 00926899	
6.	Original Construction	on Code Edition ASM	E Section III, Class 1,	1974 Edition, Summ	er 75 Addenda
7.	Original Installation	Code Edition ASME	Section III, Class 1, 19	974 Edition, Winter 7:	5 Addenda
8.			acement is required w		
	<del>-</del>				
9.	ISI Flaw	NDE Method o	f Flaw Detection		
10	Evaluation of the c	witability of this work as	Report Number per the requirements of	I\N/A_4150	
10.	Existing	PP Packing	Deakoff cont	nection is bein	proplaced
	by a plu		ed in piping		DEC 13-PN-226
	No fai une	is involved.	PPRodap 5/	4/00	209
			Arizona Public Service		
			led Code/Edition <u>ASM</u>		
	·		Code/Edition ASME S		d., W 75 Add.
			ection XI, 1992 Editio		
	Preservice Inspecti		الحمر الحمر	10	
	Initial Date	<u>0</u> If required, include	a step in the W.O. to per	form Preservice Inspec	tion.
16.	ASME Section XI F	Pressure Test Required	YES VI	10	
-	T.a. 05/04/00	If required, include	a step in the W.O. for IS	& ANII Inspection.	
	Initial Date $\mathcal{T}_{\cdot,\mathcal{Q}_{\cdot}}$ $05/04/06$	0 17. Include a step	in the W.O. to complete	NIS-2 Form prior to rele	asing the component.
	Initial Date				
-	1.0. 05/04/00 Date	18. Include a step	in the W.O. to record bel	ow all applicable number	ers.
	COMP I.D.	PART NO.	SERIAL NO.	HEAT NO.	ROS/EROS NO.
]	Pipe Cap	43550610	n/a	CHY	PL0414566
	. ,				
•			h		
19.	Planner	10. XI, Y	05/04/00	Print Name James	I. Davis
20.	ISI Engineer	Photos Signature Photos Signature	05/04/02	Print Name R. P	Y. INDAP
21.	ANII 25	Signature Joseph Tom	′ Date 5-4-00	Print Name R. G.	HOGSTROM
	•	Signature	Date		

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

As Required by the Provisions of the ASME Code Section XI

1. Owi	ner_Arizo	na Public Service (				Date		
	P. O. I	Box 53999, Phoeni	Name x, Arizona 850	72-2034		Sheet	of	22
0 51			Address			Unit	2	
2. Plar	Plant Palo Verde Nuclear Generating Station  Name							<del></del>
	5801 S. Wintersburg Rd., Tonopah, Arizona 85354-7529 WO 00926899  Repair Organization P.O. No., Job No., e							ob No., etc.
3. Woi	rk Performe	ed by <u>Arizona Pub</u>	lic Service			Type Code Symbol Stamp None		
	5801.9	S. Wintersburg Rd.	Name Tononah Ári	zona 85354	· ·		tion No] DateN	
	3801 (	3. Willersburg Rd.	Address	20114 03331	7327	CXPII GII GI		<del></del>
4. Ider	ntification o	f System Safety In	jection					
5. (a)	Applicable	Construction Code	ASME Sect II	I, Cl 1 197	$\frac{74}{1}$ Edition, $\frac{57}{1}$	5 Adde	enda, C	ode Case
		Edition of Section X						la
6. Ider	ntification o	f Components Repai	red or Replaced	and Replace	ement Compor	ents		
	me of ponent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped (Yes or No)
Va	lve	Fisher Controls	6540506	4470	2JSIBUV033	2 1979	Repaired	Yes
Pipe	е Сар	NA	NA	N/A	2JSIBUV0333	2 2000	Replacement	NO 27.00
	,							
		Mark Doubers dele	lookoff mini-	r nor the rec	uirements of	13_PNI_2(	14	·
7. Des	scription of	Work Replaced the	z ieakon piping	g per me req	uncincins of	13-111-20	, i	
8. Tes	. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure N-416-1							
		Exempt $\sqrt{\ }$	Other	Pressure	psi	Test	Temp	°F
NOTE	Cunniana	ental sheets in form	of liete ekatohoe	or drawings	may be used	provided	(1) size is 8 1/2	x 11 in.,
(2) info	ormation in	items 1 through 6 on is recorded at the to	this report is inc	cluded on ea	ch sheet, and (	(3) each sl	neet is numbere	d and the

		FORM	NIS-2 (Back)		
Remarks <sub>-</sub>	Work Order 00	926899 replaced the	e leakoff piping.		
		CERTIFICATE	E OF COMPLIA	NCE	
•	that the statements ME Code, Section X	made in the report a	re correct and this	repair repair or replacement	conforms to the rules
• •	e Symbol Stamp <u>N</u>				DT/A
Certificate	of Authorization No	. N/A		Expiration	on Date N/A
Signed	A Pho	JOWNer or Owner's De	ST Ex	Direct	_ Date 10-27-6
	<del>PP</del> Inc	LOOP I		Direc	Date 10-2:7-6
	RP (no	LOOP I		Direc	Date 10-2:7-6
	<del>Refin</del> e	LOOP I	signee, Tille		Date 10-2:7-6
I, the und Inspectors of Harthe period and belief	ersigned, holding a version of the State or Protection of the State or Protection of the Owner has persistent of t	Commission issued in the control of the commission issued in the control of the c	INSERVICE INS  Led by the National Ina and employe the components des b, and state to and taken corrective	PECTION  Board of Boiler a Hed by Hecribed in this On that to the best of the measures desired.	
I, the under Inspectors of Harthe period and belief Report in By signing concerning neither the significant of the period and belief	ersigned, holding a version of the State or Protection of the State or Protection of the Owner has perfectly accordance with the general of the examinations are inspector nor his elements.	Powner or Owner's Devalid commission issued to Arizon to Lo-27-oo formed examinations a requirements of the local commission is to Lo-27-oo formed examinations are requirements of the local commission of the local commissi	INSERVICE INS  led by the National Ina and employe the components des, and state to and taken corrective ASME Code, Section  this employer make liter in any manner for	PECTION  Board of Boiler a ed by H cribed in this On that to the best on e measures despin XI.  Is any warranty, is Owner's Reportant personal in the pe	and Pressure Vessel SBI & I CO. wner's Report during of my knowledge and scribed in this Owner's expressed or implied, ort. Furthermore,
I, the under Inspectors of Harthe period and belief Report in By signing concerning neither the significant of the period and belief	ersigned, holding a version of the State or Protection of the State or Protection of the Owner has perfectly accordance with the general of the examinations are inspector nor his elements.	Commer or Owner's Decomposition of the Arizon  INSERVICE INS  led by the National Ina and employe the components des, and state to and taken corrective ASME Code, Section  this employer make liter in any manner for	PECTION  Board of Boiler a ed by Hiscribed in this Or hat to the best of the measures despired by the series of th	and Pressure Vessel SBI & I CO. wner's Report during of my knowledge and scribed in this Owner's expressed or implied, ort. Furthermore, njury or property	

and the second of the second o

	ASME SECTI	ON XI - REPAIR/F	REPLACEMENT				
1. Component ID 2J	SIBUV0659	2. Code Cl	ass ASME SECTION I	III, CLASS 2			
	INCH TARGET ROCK	SOLENOID VALVE MO	DEL 77L-002				
4. N-5 Package Number <u>2SI09-3</u> 5. W.O. Number <u>00-00242320</u>							
6. Original Construct	ion Code Edition 1974 ED	DITION, ADDENDA WI	NTER 1976				
7. Original Installatio	n Code Edition 1974 EDI	TION, ADDENDA WIN	ΓER 1975				
9 Mark Description	REMOVE BONNET TO I	BODY SEAL WELD AN	D INSPECT INTERNA	LS FOR THE			
•	CAUSE OF SLOW CLOS	SE STROKE. SOME INT	ERNAL PARTS WILL	BE REPLACED.			
9. ISI Flaw	NDE M	lethod of Flaw Detection					
5. Last 1011 law							
10. Evaluation of the	suitability of this work as p	•					
NO ASME SEC	TION III PRESSURE BO	UNDRY FAILURE. VEI	NDOR REP WILL ASS	IST IN			
IDENTIFYING	PART TO BE REPLACE	D TO IMPROVE VALVE	E CLOSE STROKE TIM	<u>1E</u>			
11 Renair/Renlacem	ent Work Organization A	PS					
	n Construction or reconcile		ITION ADDENDA WI	NTER 1976			
	ent Activity Construction C						
			OI, ADDENDII WINI				
14. ASME Section XI	Code/Edition 1992 EDIT						
15. Preservice Inspe		Y 🗀	<del>-</del>	tion			
10-16 Da	1 required, includ	e a step in the W.O. to pe	morm Preservice inspec	cuon.			
16. ASME Section XI	Pressure Test Required		ES 🛂 NO				
Sep 10-16	2000 If required, include	e a step in the W.O. for IS	I & ANII Inspection.				
Initial Da	17. Include a step	in the W.O. to complete	NIS-2 Form prior to rele	asing the component.			
Initial Da	18. Include a ster replacement i	in the W.O. to record be	low all applicable numbe	ers for repaired or			
				MR/ROS NO.			
ITEM I.D.	PART NO.	SERIAL NO.	HEAT NO.	00472056-0004			
PILOT DISC MAIN DISC	102153-1 300328-1	S/N56		00472056-0003			
WHIN DIGC	000201						
				·			
19. Planner & C	Signature Signature  Ary tone Signature	10/16/2000 Print	Name <u>6. Osm u</u>	NDSon2			
20 ISI Engineer -	Signature  **Com Minus	ow 10/16/00 Print N	Name Alan u	vorrow			
20. ISI Engineer	Signature	Date	0	.1			
21. ANII	Ly those Simulature	Date Print N	Name Kobert G.	HOGSTROM			
	Sibilarois			The second secon			

	ASME SECT	ION XI - REPAIR/I	REPLACEMENT			
1. Component ID 2JS	IBUV0659	2. Code Cl	ass ASME SECTION	III, CLASS 2		
		SOLENOID VALVE MO				
4. N-5 Package Number <u>2SI09-3</u> 5. W.O. Number <u>00-00242320</u>						
6. Original Constructio	n Code Edition 1974 EI	DITION, ADDENDA WI	NTER 1976			
7. Original Installation	Code Edition 1974 EDI	TION, ADDENDA WIN	TER 19745 RPI 46	5-4-2800 ———————————————————————————————————		
8. Work Description R	EMOVE BONNET TO	BODY SEAL WELD AN SE STROKE. SOME INT	D INSPECT INTERNA	LS FOR THE		
9. <b>1</b> ISI Flaw	NDE N	Nethod of Flaw Detection				
9. La ISI Flaw	NOLIN					
10. Evaluation of the si	uitability of this work as p	per the requirements of IA				
NO ASME SECT	ION III PRESSURE BO	UNDRY FAILURE. VEI	NDOR REP WILL ASS	IST IN		
IDENTIFYING P.	ART TO BE REPLACE	D TO IMPROVE VALVI	E CLOSE STROKE TIM	<u>ИЕ.                                    </u>		
11. Repair/Replacemen	nt Work Organization A	PS				
12. Replacement Item	Construction or reconcile	ed Code/Edition 1974 ED	ITION ADDENDA WI	NTER 1976		
13. Repair/Replacemen	nt Activity Construction C	ode/Edition 1974 EDITI	ON, ADDENDA WINT	ER 197/5 RP2		
	ode/Edition 1992 EDIT					
15. Preservice Inspect			ES 🗹 NO			
		e a step in the W.O. to pe	rform Preservice Inspec	etion.		
28			PP 10-4-2000 ES XI NO			
16. ASME Section XI P	ressure Test Required	a sten in the W.O. for IS				
tnitial Date	17 Include a stor	e a step in the W.O. for IS	NIS-2 Form prior to rele	asing the component		
910 0/4/2 910 0/4/2	200 018. Include a step replacement	o in the W.O. to complete o in the W.O. to record be items.	low all applicable number	ers for repaired or		
ITEM I.D.	PART NO.	SERIAL NO.	HEAT NO.	MR/ROS NO.		
2JSIBUV0659						
19. Planner & O	Signature	• =	Name 6 05mu			
20. ISI Engineer	Prodap Signature	10-4-2000 Print N	lame R.P.I	NDAP		
21. ANII	A Agention Signature	-	lame Ra Locusta	20 M		

#### FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI 1. Owner Arizona Public Service Company, et. al. Date 10/02/00 P.O. Box 53999, Phoenix, Arizona 85072-2034 Sheet 1 of 2 \_\_\_\_\_ Unit \_\_\_\_\_ 2. Plant Palo Verde Nuclear Generating Station 00-00242320 5801 S. Wintersburg Rd., Tonopah, Arizona 85354-7529 \_\_\_\_\_ Type Code Symbol Stamp None 3. Work Performed by APS Authorization No. N/A 5801 S Wintersburg Rd, Tonopah, Arizona 85354-7529 Expiration Date N/A SI, ASME SECTION III, CLASS 2 4. Identification of System 5. (a) Applicable Construction Code Section III, CLASS 2 19 74 Edition, 75W Addenda, Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 92 Edition, 1992 Addenda 6. Identification of Components Repaired or Replaced and Replacement Components ASME Code Repaired Year Manufacturer National Other Name of Name of Stamped Board No. Identification Built Serial No. Manufacturer (Yes or No) Item Replacement 2jsibuv0659 1979 Replacement Yes 3 N/A Target Rock VALVE 2jsibuv0659 N/A Replacement No S/N-56 N/A MAIN DISC TARGET ROCK No N/A 2isibuv0659 N/A Replacement 131 TARGET ROCK PILOT DISC 7. Description of Work Remove and reinstall bonnet to body seal weld for internal rework. N-416-1 🔲 Pneumatic Nominal Operating Pressure Exempt 8. Test Conducted: Hydrostatic Test Temp. Other [] Pressure psi

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 x 11 in., (2) information in items 1 through 6 on this 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 NI	S-2 (Ba	ick)
9.	Remarks	W 0 #00-00242320 AND REPLACED THI REINSTALLED THE	<u>E MAIN DISC AN</u>	L WELD , II ID PILOT DI	NSPECTED INTERNALS , REMOVED SC , REASSEMBLED VALVE AND
			CERTIFICATE	OF COMP	LIANCE
		fy that the statements ma SME Code, Section XI.	ade in the report a	re correct and	this replacement conforms to the rules repair or replacement
	Type Co	de Symbol Stamp		IIA	
	Certificat	te of Authorization No	/4	/A	Expiration Date
	Signed_	Alan Mor	wner or Owner's Designe	FSI Em	Sin'eer Date 10/16/00
		CERT	IFICATE OF IN	ISERVICE	INSPECTION
	Inspecto of <u>Ha</u> the perio belief, th	rs and the State or Provi	nce of <u>Arizona</u> have inspected the name of the name o	_ and employ ne component, and s taken correct	ional Board of Boiler and Pressure Vessel yed by HSBI & I CO. Is described in this Owner's Report during tate that to the best of my knowledge and live measures described in this Owner's Section XI.
	concerni neither ti	ng the examinations and	corrective measu loyer shall be liabl	res described e in any mani	makes any warranty, expressed or implied, in this Owner's Report. Furthermore, ner for any personal injury or property inspection.
		In A Angstone (Inspector's Signature	e	Commission	S National Board, State, Province, and Endorsements

	ASME SECT	ION XI - REPAIR/F	REPLACEMENT	· · · · · · · · · · · · · · · · · · ·		
1. Component ID 2JC	HAUV0516	2. Code Cl	ass ASME SEC.III CL	.1		
	FISHER CONTROL (C					
4. N-5 Package Number 2RC01-1C 5. W.O. Number 222517 /89986.						
<ol><li>Original Construction</li></ol>	Code Edition ASME	SEC III CL1 -1974 EDIT	ION, SUMMER 1975			
		EC III CL1 -1974 EDITIO				
8. Work Description R	EMOVED SEAL LEAF	COFF LINE AND INSTA	LLED WELDED PLUC	<u> </u>		
9. 🔲 ISI Flaw	NDE N	Method of Flaw Detection				
40 Frankrije of the out	itability of this work on	Heport Number oer the requirements of IA\	N-4150			
				13 bee_		
700 pieces	UALUC PA	LEAK OFF	CODATION'	ZLB_10-16-00		
11. Repair/Replacemen	t Work Organization A	APS				
•		ed Code/Edition ASME S	EC III CL1 -1974 EDIT	ION, WINTER 1975		
		Code/Edition ASME SEC				
		rion and 1992 adden				
		<u></u>	ES 🗹 NO			
15. Preservice Inspecti		te a step in the W.O. to pe	<del></del>	tion.		
10/16/0   Imitial						
16. ASME Section XI Pr	· · · · · · · · · · · · · · · · · · ·	<del>-</del>	ES 🛂 NO			
10/16/0 Date	<del></del>	e a step in the W.O. for IS		soing the component		
10/16/( Initial Date	<del></del>	p in the W.O. to complete				
10/16/0	00 18. Include a ste replacement	p in the W.O. to record bel items.	ow all applicable number	its for repaired of		
ITEM I.D.	PART NO.	SERIAL NO.	HEAT NO.	MR/ROS NO.		
Seal leak off line plug	43550610	N/A	CHY	00396348-0055		
		/ /		<u> </u>		
19. Planner	Managardine )	/ Date	lame <u>JAMES BOULA</u>	<b></b> .		
20. ISI Engineer	1/19	10/11/00 Print N	Vame <u> R-L-13/</u>	COORS/NO		
74	Signature	/ Date	•			
21. ANII	() Signature	0-16-∞ Print N	Name BOB HOGSTRO	IMI .		

### FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI 1. Owner Arizona Public Service Company, et. al. Date 10/16/00 P.O. Box 53999, Phoenix, Arizona 85072-2034 Sheet 1 of 1 2. Plant Palo Verde Nuclear Generating Station Unit \_\_\_\_\_\_ Unit \_\_\_\_\_ 5801 S. Wintersburg Rd., Tonopah, Arizona 85354-7529 3. Work Performed by Palo Verde Nuclear Generating Station Type Code Symbol Stamp None Authorization No. N/A 5801 S. Wintersburg Rd., Tonopah, Arizona Expiration Date N/A CH, Chemical Volume Control System 4. Identification of System 5. (a) Applicable Construction Code ASME SEC III CL. 1 1974 Edition, W '75 Addenda, N/A Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 92 Edition, 1992 Addenda 6. Identification of Components Repaired or Replaced and Replacement Components Repaired ASME Code Year National Other Name of Manufacturer Name of Stamped Board No. Identification Built Replacement Serial No. Manufacturer ltem (Yes or No) Yes 2JCHAUV516 1979 Replacement 6540513 N/A 2" globe valve Fisher 7. Description of Work Removed seal leak off nipple and installed butt weld plug Pneumatic Nominal Operating Pressure Exempt N-416-1 🔲 8. Test Conducted: Hydrostatic Test Temp. Pressure psi Other NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 x 11 in., (2) information in items 1 through 6 on this 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-2 (Back)
Remarks	W.O. # 222517/899861 Seal leak off line removed and butt weld plug installed.
	CERTIFICATE OF COMPLIANCE
	y that the statements made in the report are correct and this replacement conforms to the rules ME Code, Section XI.
Type Co	de Symbol Stamp_N/A
Certificat	e of Authorization No. N/A Expiration Date
	2/2
Signed Z	Owner or Owner's Designee, Title
1, the unc	CERTIFICATE OF INSERVICE INSPECTION  ersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
I, the und Inspector of Harthe period belief, the	CERTIFICATE OF INSERVICE INSPECTION
I, the und Inspector of Harthe perior belief, the Report in By signing concerning neither the state of the significant of the s	CERTIFICATE OF INSERVICE INSPECTION  ersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessels and the State or Province of Arizona and employed by HSBI & I CO.  tford, Connecticut , have inspected the components described in this Owner's Report during to 10-16-00 to 10-16-00 , and state that to the best of my knowledge and Owner has performed examinations and taken corrective measures described in this Owner's accordance with the requirements of the ASME Code, Section XI.
I, the unconspector of Harthe period belief, the Report in concerning neither the damage of the second seco	CERTIFICATE OF INSERVICE INSPECTION  ersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessels and the State or Province of Arizona and employed by HSBI & I CO.  etford, Connecticut, have inspected the components described in this Owner's Report during to 10-16-00 to 10-16-00, and state that to the best of my knowledge and cover has performed examinations and taken corrective measures described in this Owner's accordance with the requirements of the ASME Code, Section XI.  In this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied to the examinations and corrective measures described in this Owner's Report. Furthermore, the Inspector nor his employer shall be liable in any manner for any personal injury or property

ASME SECTION XI - REPAIR/REPLACEMENT										
1. Component ID 2MR	CEB18		ass ASME Section III, C	Class 1						
3. Item Description REACTOR COOLANT SYSTEM PRESSURIZER HEATER SLEEVE										
4. N-5 Package Number <u>2RC01-1A</u> 5. W.O. Number <u>2330262</u>										
6. Original Construction	Code Edition ASME Se	ection III, Class 1, 1971 I	Edition, Winter 1973 Add	lenda						
7. Original Installation C	ode Edition ASME Section	tion III, Class 1, 1974 Ed	lition, Winter 1975 Adde							
8. Work Description 1. W	7. Original Installation Code Edition ASME Section III, Class 1, 1974 Edition, Winter 1975 Addenda  8. Work Description 1. Temper Bead Weld Pad Around Heater 2MRCEB18 Sleeve Opening. 2. Inconel 690 Plug Welded to the Pad to Close the Heater Opening. SEE DFWO# 2327179 Disposition.									
9. ISI Flaw	NDE Me	ethod of Flaw Detection	N/A							
0. <u>1</u> 10. 1 mm		Report Number N/								
10. Evaluation of the su	itability of this work as pe	r the requirements of IAV	V-4150.							
Cracked Sleeve is I	Partially Removed and the illed Evaluation in DFWC	e Opening is Being Plugg	ged with Corrosion Resis	tant Inconel 690						
Material. See Deta	med Evaluation in DF WC	) L32/11/) & ORDR 232	· · · · · · · · · · · · · · · · · · ·							
	t Work Organization <u>W</u> e									
	Construction or reconciled									
	t Activity Construction Co			NB '75 Winter Adde						
14. ASME Section XI Co	ode/Edition ASME Section	ion XI, 1992 Edition, 199	92 Addenda							
15. Preservice Inspection	on Required.		ES 🗹 NO							
N/A ic/17/2	If required, include	a step in the W.O. to pe	rform Preservice Inspecti	on.						
16. ASME Section XI Pr		<b>☑</b> Y								
KVS 13/(7/20		a step in the W.O. for ISI								
KVS 10/11/2	200 17. Include a step									
KVS 10/17/	72000 18. Include a step replaced items	in the W.O. to record bel								
COMP I.D.	PART NO.	SERIAL NO.	HEAT NO.	MR/ROS NO. MR = 472744						
Sleeve Plug	N/A	N/A	4X0911 HK	MIC IICITY						
. 1 ^			No. 1 V. Carrage	1						
19. Planner Faul	Signature Survey	Date	Name Karl V. Savage							
20. ISI Engineer	CONTRACT REPORT									
21. ANII ///	Assture Signature	Date Print	Name Robert G. Hogstro	21. ANII Laston 10/13/00 Print Name Robert G. Hogstrom						

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

As Required by the Provisions of the ASME Code Section XI

1. Owner <u>Arizona</u>	Public Service Co	mpany, et. al.			Date		11/02/00	
1. Owner <u>Arizona Public Service Company</u> , et. al. Date <u>11/02/00</u> P.O. Box 53999, Phoenix, Arizona 85072-2034 Sheet 1 of 2  Address								
2. Plant Palo Verde Nuclear Generating Station Unit 2								
5801 S. Wintersburg Rd., Tonopah, Arizona 85354-7529							2330262 Work Order Number	
3. Work Performed by Welding Services Incorporated Type Code Symbol Stamp None								
Authorization No. N/A								
2225 Sk	yland Court, Norc	ross, Georgia	30071	<del></del>	Expiration	n Date	N.	<u>/A</u>
4. Identification of Sy	stem RC, ASM	IE Section III,	Class 1					
		ion III Class 1	1 40.71	<b>-</b>	337/1/70	ساسات ۸	da	Cada Casa
	nstruction Code Sect							
(b) Applicable Edi	tion of Section XI Utiliz	ed for Repairs or	r Replacemen	nts 19	<u>92</u> Edit	ion, _	1992 Adde	nda
6. Identification of Co	mponents Repaired or	r Replaced and R	leplacement (	Compor	nents			
Name of Item	Name of Manufacturer	Manufacturer Serial No.	National Board No.	O Identi	ther fication	Year Built	Repaired or Replacemen	ASME Code Stamped t (Yes or No)
Temp. Bead Pad	APS	N/A	N/A	1			Repaired	No
Plug	APS	N/A	N/A	NX0	911HK	2000	Replacement	No
					****			
7. Description of Work Install Tempered Bead Pad and Inconel 690 Plug								
8. Test Conducted:	Hydrostatic P	neumatic 🔲	Nominal Ope	erating	Pressure		Exempt	N-416-1 🔽
	Other	Pressure	psi			Test Te	emp	°F
(2) information in it	tal sheets in form of ems 1 through 6 on	this report is inc	cluded on ea					
the number of shee	ets is recorded at the	top of this form	л.					

Hemark	welded to the	e Pad to Close the Sl	leeve Opening. See DF	8 heater Opening. 2. In WO#2327179.	conei 090 Flug
		CERTIF	ICATE OF COMPL	IANCE	
	tify that the stat SME Code, Se		report are correct and t	his repair confo	orms to the rules
Type C	ode Symbol Sta	amp_NA			
Certific	ate of Authoriza	tion No. NA		Expiration Date	NA
Signed	e/			<u>r</u> Date	
		CERTIFICATI	E OF INSERVICE II	NSPECTION	
Inspect of <u>H</u> the per belief, t	ors and the State artford, Connector od	ding a valid commiss te or Province of	E OF INSERVICE II sion issued by the Natio Arizona and employe pected the components 3-∞ , and sta	nal Board of Boiler and F d by <u>HSBI &amp;</u> described in this Owner ate that to the best of my e measures described in	I CO. s Report during knowledge and
Inspect ofH the per belief, t Report  By sign concern neither	artford, Conne od (৩০.৫১- he Owner has p in accordance v ing this certificating the examinathe Inspector no	ding a valid commiss te or Province of	E OF INSERVICE II  sion issued by the Natio Arizona and employe pected the components 3- , and sta ions and taken corrective ts of the ASME Code, Sector nor his employer many measures described in	nal Board of Boiler and F d by HSBI & described in this Owner' ate that to the best of my e measures described in ection XI.  akes any warranty, expr n this Owner's Report. F er for any personal injury	I CO. s Report during knowledge and this Owner's essed or implie-

	ASME SECTION	ON XI - REPAIR/F	REPLACEMENT			
1. Component ID 2M	RCEE01A	2. Code CI	ass ASME Section III,	Class 2		
3. Item Description St.	eam Generator Blowdown	n Sample Nozzle.		· · · · · · · · · · · · · · · · · · ·		
4. N-5 Package Number <u>2SG01-1A</u> 5. W.O. Number <u>2330314</u>						
6. Original Construction	n Code Edition 1971 Edi	ition, Winter 1973 Adder	nda			
7. Original Installation	Code Edition 1974 Editi	on, Winter 1975 Addend	a	<del></del>		
8. Work Description To	emper Bead Pad Weld Re	pair of Leaking Nozzle p	per DFWO# 2330312			
<del></del>						
·						
9. 🔲 ISI Flaw	NDE M	ethod of Flaw Detection				
		Report Number				
	uitability of this work as pe					
Nozzle attachment	weld on I.D. of the vesse on previous history of the	el was leaking because of	porosity that opened up	due to normal		
	er bead pad, see DFWO		The Repair is by attachin	ig the redzzie from		
11. Repair/Replacemer	nt Work Organization Al	<u>PS</u>				
12. Replacement Item (	Construction or reconciled	Code/Edition Section	III Cl.2/'71 Edition '73 W	/inter Addenda		
	t Activity Construction Co					
14. ASME Section XI C	ode/Edition 1992 Editio	n and 1992 Addenda				
15. Preservice Inspecti	on Required	□ Y	ES 🗹 NO			
13. Treservice mapeon	ा nequired. । If required, include	a step in the W.O. to pe	rform Preservice Inspect	ion.		
16. ASME Section XI P	•	Y (5.11)				
Initial Date	If required, include	a step in the w.O. for isi	a Anni inspection.			
Initial Date	17. Include a step	in the W.O. to complete	NIS-2 Form prior to relea	sing the component.		
Initial Date	18. Include a step replacement it	in the W.O. to record bel	ow all applicable number	rs for repaired or		
ITEM I.D.	PART NO.	SERIAL NO.	HEAT NO.	MR/ROS NO.		
19. Planner Kond	Och Son	10 (20/00 Print 1	Name Karl V. Savage			
EX	Signature 1	Date	Name Ramakant P. Inda	n		
20. ISI Engineer	/Signature	Date	TOTAL TANDAMIN I . AITON			
21. ANII	Tog stem	Date Print	Name Robert G. Hogstro	om		
	Signature	Date				

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

As Required by the Provisions of the ASME Code Section XI

1. Owner <u>Arizona Public Service Company</u> , et. al.					Date		10/20/00	
P.O. Box 53999, Phoenix, Arizona 85072-2034								
1.65.					Unit		2 .	
2. Plant Palo Verde Nuclear Generating Station								
5801 S. Wintersburg Rd., Tonopah, Arizona 85354-7529 Address				Work Order Number				
3. Work Performed by Arizona Public Service Company					Туре Со	de Syn	nbol Stamp	None
Name				Authoriz	ation N	o. N	/A	
5801 S. Wintersburg Rd., Tonopah Arizona, 85354-7529				Expiration DateN/A		Α		
Address								
4. Identification of Sy	4. Identification of System SG, ASME Section III, Class 2							
5. (a) Applicable Construction Code Section III, Class 2 19 71 Edition, 73 'W Addenda, Code Case								
(b) Applicable Edi	tion of Section XI Utiliz	zed for Repairs or	r Replacemer	nts 19	<u>92</u> Edit	ion, _]	1992 Adder	nda
O laboration of On		r Danisand and 🗆	lanlanamant (	Compo	nonto			
6. Identification of Co	6. Identification of Components Repaired or Replaced and Replacement Components							
Name of	Name of	Manufacturer	National	0	ther	Year	Repaired or	ASME Code Stamped
ltem	Manufacturer	Serial No.	Board No.	Ident	ification	Built	or Replacement	(Yes or No)
Sample Line Nozzle	C.E.	NIA	ula	1	CEE01	4	Repaired	No
, ,								
					<u>.</u>			
			<u> </u>	L		<u> </u>	l	
7. Description of Work Temper Bead Weld Repair of the Steam Generator Nozzle for Blowdown Sample								
8. Test Conducted:	Hydrostatic  F	Pneumatic 🔲	Nominal Op	erating	Pressure		Exempt	N-416-1 🔼
	Other Pressure psi		Test Temp.			°F		
	<del></del>							
NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 x 11 in., (2) information in items 1 through 6 on this 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.								
the number of sheets is recorded at the top of this form.								

	FORM NIS-2 (Back)
Remarks	Work Order 2330314. Temper Bead Weld Repair of the Steam Generator Nozzle for The Blowdown Sample Line Per DFWO 2330312.
	CERTIFICATE OF COMPLIANCE
	fy that the statements made in the report are correct and this repair conforms to the rules SME Code, Section XI.
• •	te of Authorization No. N/A Expiration Date
	2.L.B/2.ccxV/W-/// ISI Engineer Date 11/3/00
	CERTIFICATE OF INSERVICE INSPECTION
Inspector of <u>Ha</u> the period belief, the	CERTIFICATE OF INSERVICE INSPECTION  dersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel ors and the State or Province of Arizona and employed by HSBI & I CO.  artford, Connecticut , have inspected the components described in this Owner's Report during and 10-20-00 to 11-3-00 , and state that to the best of my knowledge and the Owner has performed examinations and taken corrective measures described in this Owner's in accordance with the requirements of the ASME Code, Section XI.
Inspector of Ha the period belief, the Report in By significance on the significance of the significance o	dersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel ors and the State or Province of <u>Arizona</u> and employed by <u>HSBI &amp; I CO.</u> artford, Connecticut, have inspected the components described in this Owner's Report during and <u>10-20-00</u> to <u>11-3-00</u> , and state that to the best of my knowledge and the Owner has performed examinations and taken corrective measures described in this Owner's

ASME SECTION XI - REPAIR/REPLACEMENT							
1. Component ID 2JS	GEPSV0576	2. Code Cl	ass ASME III, CLASS	32			
3. Item Description MAIN STEAM SAFETY VALVE, 1315 PSIG RATED							
4. N-5 Package Number <u>2SG01-1A</u> 5. W.O. Number <u>WO# 231138</u>							
6. Original Construction Code Edition 1974 EDITION, SUMMER 1975 ADDENDA							
7. Original Installation Code Edition 1974 EDITION, WINTER 1975 ADDENDA							
8. Work Description Replacement of safety valve with spare per maintenance engineering direction following on-line							
pressure testing.							
9. ISI Flaw NDE Method of Flaw Detection							
9. 🔲 ISI Flaw	NDE IVI						
10. Evaluation of the su	uitability of this work as pe						
	E boundary. Spare valve			ced based upon			
pressure testing.			·				
11. Repair/Replacemer	nt Work Organization <u>Al</u>	PS					
12. Replacement Item (	Construction or reconciled	d Code/Edition ASME II	I Class 2, 1974 Ed., S'	75			
	nt Activity Construction Co						
14. ASME Section XI C	ode/Edition 1992 Editio	n and 1992 Addenda					
15. Preservice Inspecti	15. Preservice Inspection Required.						
Dng 10/05/00 If required, include a step in the W.O. to perform Preservice Inspection.							
16. ASME Section XI P	ressure Test Required	<b>☑</b> Y	ES 🔲 NO				
Per 6 10/05/00 If required, include a step in the W.O. for ISI & ANII Inspection.							
Initial Date    Date							
Date 10/05/00 18. Include a step in the W.O. to record below all applicable numbers for repaired or replacement items.							
ITEM I.D.	PART NO.	SERIAL NO.	HEAT NO.	MR/ROS NO.			
2JSGEPSV0576	N/A	BS-08587	N/A	PL 0428452			
19. Planner David Goodlet  Signature Date  Print Name David Goodlet							
20. ISI Engineer RPhdaP 10-5-60 Print Name Ramakant Indap							
21. ANII / furthern /0-5-00 Print Name Robert Hogstrom Date							

### FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI 1. Owner Arizona Public Service Company, et. al. Date 10/05/00 P.O. Box 53999, Phoenix, Arizona 85072-2034 Sheet 1 of 2 2. Plant Palo Verde Nuclear Generating Station Unit \_\_\_\_\_ Unit \_\_\_\_ 5801 S. Wintersburg Rd., Tonopah, Arizona 85354-7529 wo# 231138 None 3. Work Performed by PVNGS Maintenance Dept . \_\_\_\_\_ Type Code Symbol Stamp \_\_\_\_ N/A Authorization No. N/A 5801 S. Wintersburg Rd., Tonopah, Az. 85354-7529 Expiration Date "SG" - Main Steam 4. Identification of System radiale caso kense ongan mot. 5. (a) Applicable Construction Code ASME III Class 2 19.74 Edition, S'75 Addenda, Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 92 Edition, 1992 Addenda 6. Identification of Components Repaired or Replaced and Replacement Components Repaired ASME Code National Other Year Name of Manufacturer Name of Stamped or Board No. Identification Built Replacement Manufacturer Serial No. Item (Yes or No) 2jsgepsv576 1978 Replacement Yes BS-08587 NA Dresser Safety valve 7. Description of Work Replace main steam safety valve with spare. Pneumatic Nominal Operating Pressure Exempt Exempt N-416-1 8. Test Conducted: Hydrostatic The Analysis of psi Test Temp. Other [ Pressure NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 x 11 in.,

73DP-9ZZ17

(2) information in items 1 through 6 on this 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.

PV-E0092 Ver. 6

# FORM NIS-2 (Back)

	maintanance ancincaring following on line travel testing of volves					
	WO# 231138 for the replacement of main steam safety valve 2JSGEPSV0576. Selected by maintenance engineering following on-line trevi-testing of valves.					
	The state of the s					
	CERTIFICATE OF COMPLIANCE					
1	by that the statements made in the report are correct and this replacement conforms to the rules repair or replacement.					
Type Co	do Symbol Stamp N/A					
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	de Symbol Stamp N/A					
Certificat	e of Authorization No. N/A Expiration Date					
Signed	Owner or Owner's Designee, Title Date 11/3/00					
	the state of the s					
	and the second of the second o					
	CERTIFICATE OF INSERVICE INSPECTION					
I, the und	dersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel and the State or Province of <u>Arizona</u> and employed by <u>HSBI &amp; I CO.</u>					
	's and the State of Province of Affizona and employed by					
lof Ha						
01 <u>11a</u>	rtford, Connecticut, have inspected the components described in this Owner's Report during					
the perio	rtford. Connecticut, have inspected the components described in this Owner's Report during d, and state that to the best of my knowledge and					
the perio belief, the	rtford, Connecticut, have inspected the components described in this Owner's Report during described to to to to to to to to to to to to to					
the perio belief, the	rtford. Connecticut, have inspected the components described in this Owner's Report during d, and state that to the best of my knowledge and					
the perio belief, the	rtford. Connecticut, have inspected the components described in this Owner's Report during d 6.0 to 6.3 , and state that to the best of my knowledge and e Owner has performed examinations and taken corrective measures described in this Owner's accordance with the requirements of the ASME Code, Section XI.					
the perio belief, the Report in	rtford. Connecticut , have inspected the components described in this Owner's Report during d 6.5-00 to 6.3-00 , and state that to the best of my knowledge and e Owner has performed examinations and taken corrective measures described in this Owner's accordance with the requirements of the ASME Code, Section XI.					
the perio belief, the Report in By signin	rtford, Connecticut , have inspected the components described in this Owner's Report during d					
the perio belief, the Report in By signin concerni	rtford, Connecticut, have inspected the components described in this Owner's Report during described to to to to to to to to to to to to to					
the perio belief, the Report in By signin concerning	rtford, Connecticut, have inspected the components described in this Owner's Report during described to to to to to to to to to to to to to					
the perio belief, the Report in By signin concerning	rtford. Connecticut, have inspected the components described in this Owner's Report during described to to to to to to to to to to to to to					
the perio belief, the Report in By signin concerning	rtford. Connecticut, have inspected the components described in this Owner's Report during described to to to to to to to to to to to to to					
the perio belief, the Report in By signin concerning	rtford. Connecticut, have inspected the components described in this Owner's Report during described to to to to to to to to to to to to to					
the perio belief, the Report in By signin concerning	rtford, Connecticut, have inspected the components described in this Owner's Report during described to to to to to to to to to to to to to					
the perio belief, the Report in By signin concernin neither the damage	rtford. Connecticut., have inspected the components described in this Owner's Report during described to to to to to to to to to to to to to					
the perio belief, the Report in By signin concernin	rtford. Connecticut, have inspected the components described in this Owner's Report during described to to to to to to to to to to to to to					

ASME SECTION XI - REPAIR/REPLACEMENT							
1. Component ID 2JRCEPSV0200 2. Code Class 1							
3. Item Description PRESSURIZER SAFETY RELIEF VALVE							
4. N-5 Package Numbe	4. N-5 Package Number <u>2RC03-2</u> 5. W.O. Number <u>W.O. 231241</u>						
6. Original Construction	n Code Edition 1974 EI	DITION '75 SUMMER A	DDENDA				
7. Original Installation Code Edition 1974 EDITION WINTER '75 ADDENDA							
		WORK ORDER 231241.		d cap on			
drain pipe. RPI 10-26-00							
9. 🔲 ISI Flaw	NDE M	lethod of Flaw Detection					
40 Factority of the co	itali ilika af klain madana m		N 4150				
		er the requirements of IA\ CILITATE TESTING. TH		VALVE IS SN#14537.			
11. Repair/Replacemen	it Work Organization A	PS					
•	12. Replacement Item Construction or reconciled Code/Edition 1974 EDITION SUMMER 1975 ADDENDA						
	13. Repair/Replacement Activity Construction Code/Edition 1974 EDITION & 1975 WINTER ADDENDA						
14. ASME Section XI Code/Edition 1992 EDITION & 1992 ADDENDA							
15. Preservice Inspection Required.							
MBN 10/09/0		e a step in the W.O. to pe	rform Preservice Inspe	ection.			
16. ASME Section XI P	essure Test Required	<b>☑</b> Y	ES 🛄 NO	) )			
MBN 10/09/0	•	a step in the W.O. for IS	I & ANII Inspection.				
Initial Date  MBN 10/09/00 17. Include a step in the W.O. to complete NIS-2 Form prior to releasing the component.							
Initial Date  MBN 10/09/00 18. Include a step in the W.O. to record below all applicable numbers for repaired or							
Initial Date	replacement i	tems.		MR/ROS NO.			
ITEM I.D. 2JRCEPSV0200	PART NO. APN#45003560	SERIAL NO. BY14537	HEAT NO. N/A	MN703110.			
VALVE	111111113003300	B11.03.		140 100 101			
19. Planner War 10/09/00 Print Name MICHAEL B. NEWELL  Signature Date							
20. ISI Engineer RP Skinature Date Print Name R. P. INDAP							
21. ANII 1/25 A May transcription 10-11-00 Print Name ROBERT G. HOGSTROM  Date  Date							

1. Owner <u>Arizona</u>	Public Service Con	npany, et. al.		· 	Date		10/28/00	
	53999, Phoenix.	Arizona 85072			Sheet_	1	of	2
o Direct Dolo Vor		ddress			linit		2	
	de Nuclear Genera	ame	no 85251	7520	O(m,	<del></del> .		
<u> 5801 S. V</u>	Wintersburg Rd., T	ddress	<u> </u>	1329			Work Order Number	
3. Work Performed by	ARIZONA PUE	LIC SERVIC	E		Type Co	de Syn	nbol Stamp	None
	N	ame					o. <u>N</u>	/A
5801 S. '	WINTERSBURG	RD. TONOPA	AH AZ,853	54			N/.	
		ddress						
4. Identification of Sy	stem <u>RC ASMI</u>	E SECTION II	I CLASS 1	<u> </u>				
5. (a) Applicable Cor	nstruction Code <u>SEC</u>	III CLASS 1	19 74	Edition	75'S	Adde	enda,	Code Case
(b) Applicable Edi	tion of Section XI Utiliz	ed for Hepairs or	Replacemen	แร เฮ	92 Eun	1011,	1992 Adder	lua
6. Identification of Co	mponents Repaired or	Replaced and R	teplacement (	Compo	nents			
			T				Repaired	ASME Code
Name of Item	Name of Manufacturer	Manufacturer Serial No.	National Board No.		ther ification	Year Built	or	Stamped (Yes or No)
PSV-VALVE	DRESSER	BY14537	N/A	<u> </u>		<u> </u>	Replacement	Yes
PIPE CAP	N/A	N/A	N/A	2JRCI	EPSV200	2000	Repaired	No
NIPPLE	N/A	N/A	N/A	2JRC	EPSV200	2000	Repaired	No
						<u></u>		, , ,
		·		<del>                                     </del>	<del></del>		<u> </u>	· · · · · · · · · · · · · · · · · · ·
	*				<del> </del>			
			L.,	<u> </u>			,	
7 Description of Mar	k RE-WORKED	DRAIN NIPPI	I F AND P	IPE C	AP RE	PLAC	CED VALVE.	
7. Description of wor	k Id-Worden	DIGHT THE	<u> </u>	<u></u>	,			<del></del>
8. Test Conducted:	Hydrostatic 🔲 - F	Pneumatic 🔲	Nominal Op	erating	Pressure	$ \mathbf{V} $	Exempt 🔲	N-416-1 🔲
	Other	Pressure	psi			Test T	emp	°F
·	<del>-</del> .				•			
	tot alamaka tu danisi ort	::::::::::::::::::::::::::::::::::::	da danada		ha ugad	provide	dad (1) ciza ic 9	11/2 v 11 in
(2) information in it	ntal sheets in form of tems 1 through 6 on	this report is in-	cluded on e	s may ach sh	eet, and	(3) ea	ch sheet is nun	nbered and
the number of she	ets is recorded at th	e top of this forn	n.					

	VALVE IS SN# BY14537. RE-WORKED EXISTING DRAIN NIPPLE AND WELDED PIPE CAP.
	CERTIFICATE OF COMPLIANCE
	fy that the statements made in the report are correct and this replacement conforms to the rules SME Code, Section XI.
Type Co	de Symbol Stamp N/A
Certifica	te of Authorization No. N/A Expiration Date
	gidy attended 151 exometr Date 11-3-00
Signed	Owner or Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
1, the un	dersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspector of Harthe period belief, the	
Inspector of Hat the period belief, the Report in By significancern neither the significance of the signif	dersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel ars and the State or Province of <u>Arizona</u> and employed by <u>HSBI &amp; I CO.</u> artford, Connecticut, have inspected the components described in this Owner's Report during and to to to to to to to to the described in the best of my knowledge and the Owner has performed examinations and taken corrective measures described in this Owner's accordance with the requirements of the ASME Code, Section XI.
Inspector of Hat the period belief, the Report in By significancern neither the significance of the signif	dersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel are and the State or Province of Arizona and employed by HSBI & I CO.  Interford, Connecticut have inspected the components described in this Owner's Report during and help of to 10-3-00 holds and taken corrective measures described in this Owner's accordance with the requirements of the ASME Code, Section XI.  In this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied ing the examinations and corrective measures described in this Owner's Report. Furthermore, the Inspector nor his employer shall be liable in any manner for any personal injury or property

<i>\$</i> ;	ASME SECTION	ON XI - REPAIR/R	EPLACEMEN	
1. Component ID 2JR	CEPSV0201	2. Code Cla	uss <u>1</u>	
3. Item Description PR	ESSURIZER SAFETY	RELIEF VALVE		
4. N-5 Package Numbe	er 2RC03-2	5. W.O. Nur	mber <u>W.O. 231242</u>	
6. Original Construction	Code Edition 1974 ED	ITION '75 SUMMER AL	DENDA	
7. Original Installation (	Code Edition 1974 EDIT	TION WINTER '75 ADD	ENDA	
8. Work Description R	EPLACE DRAIN NIPPL	E AND VALVE PER W.	O. 231242.	
<del></del>				
9. 🔲 ISI Flaw	NDE M	ethod of Flaw Detection _		
		•		
		er the requirements of IAW		77 A T T DE 10 10 7 1
THE VALVE BEI	NG ROTATED TO FAC ER 72 ADDENDA AND	ILITATE TESTING. TH RECONCILED TO THE	1974 EDITION SU	MMER '75 ADDENDA
AS PER THE SEC	TION XI 97 EDITION 9	96 ADDENDA REQUIRE	MENTS. RECONC	LATION AS PER
MEE #02504.	POI 181 CP	<i>&gt;</i> 0		
•		PS ·		
12. Replacement Item C	Construction or reconciled	Code/Edition 1974 EDI	TION SUMMER 19"	75 ADDENDA
13. Repair/Replacemen	t Activity Construction Co	de/Edition 1974 EDITIO	N & 1975 WINTER	ADDENDA
14. ASME Section XI Co	ode/Edition 1992 EDIT	ON & 1992 ADDENDA		
15. Preservice Inspecti	on Required.	<b>☑</b> YE	ES 🛄 NO	)
MBN 10/09/0	00 If required, include	e a step in the W.O. to per	form Preservice Inspe	ection.
16. ASME Section XI Pr	ressure Test Required	<b>☑</b> YE	s 🛄 NO	)
MBN 10/09/0	·	a step in the W.O. for ISI	& ANII Inspection.	
Initial Date MBN 10/09/0	00 17. Include a step	in the W.O. to complete N	IIS-2 Form prior to re	leasing the component.
Initial Date MBN 10/09/0	)() 18. Include a step	in the W.O. to record belo	w all applicable num	bers for repaired or
Initial Date	replacement it	ems.		MR/ROS NO.
ITEM I.D. 2JRCEPSV0201	PART NO. APN#45003560	SERIAL NO. BQ07679	HEAT NO.	MN# 4772,756
VALVE	AFN#45005500	БQ07079	1771	1412-412-161
NIPPLE	APN#43571055	N/A	461449	WV#1715POS
CAP	APN#43550622	N/A	HYD	mr=47 697
			· · · · · · · · · · · · · · · · · · ·	
19. Planner W. Q.	OB reura		ame MICHAEL B. I	NEWELL
20. ISI Engineer	Pinela D	↑ Date 10-15-03 Print N	ame R.P. I	NDAP
12 h	Signature	Date  10-41-90 Print N	ame ROBERT G. H	OGSTROM
21. ANII	() Signature	Date	ame RODERT G. II	OODIKOW

1. Owner Arizona	Public Service Cor		•	Date		10/28/00	· ·
	53999, Phoenix.	ame		1.	•.	of	2
	A	ddress	•	11:1		2	
	de Nuclear Genera Wintersburg Rd., T	ame				W.O. 231242	
<u> 3801 S. '</u>		ddress	Эпа оэээ <del>ч-</del>	1349		Work Order Number	
3. Work Performed by	y ARIZONA PUE	BLIC SERVIC	E	Туре	Code Syr	mbol Stamp	None
	N	ame		• Autho	rization N	loN	<u>'A</u>
5801 S.	WINTERSBURG		AH AZ,853			N/.	
	DC ACM	ddress	TCT ASS 1	ı			
4. Identification of Sy	stem <u>KC ASMI</u>	E SECTION II	u CLASS I				
5. (a) Applicable Cor	nstruction Code, SEC	III CLASS 1	19 <u>74</u> !	Edition, <u>75'S</u>	Adde	enda,	Code Case
(b) Applicable Edi	tion of Section XI Utiliz	zed for Repairs or	r Replacemer	nts 19 <u>92</u> E	dition,	1992 Adder	nda
		ostažio (1966) Starija	•.				
6. Identification of Co	omponents Repaired o	r Replaced and R	Replacement (	Components			
Name of	Name of	Manufacturer		Other	Year	1 01	ASME Code Stamped
Item	Manufacturer	Serial No.		Identificati		Tropiacontonia	
PSV-VALVE	DRESSER	BQ07679	N/A			Replacement	Yes
PIPE CAP	N/A	461449	N/A	2JRCEPSV2	01 2000	Repaired	No
NIPPLE	N/A	HYD	N/A	2JRCEPSV2	2000	Repaired	No
		The state of the s					1 1 "
		. ,		1			1 .
			,				
				1 6 7			
;			. <del>1.,</del>		· · · · · · · · · · · · · · · · · · ·		
7. Description of Wo	rk <u>VALVE AND I</u>	DRAIN NIPPI	LE REPLA	CEMENT.	<del></del>		<u> </u>
8. Test Conducted:	Hydrostatic	Pneumatic 🔲	Nominal Op	erating Press	ure 🗹	Exempt [	N-416-1 🔲
	<u>-</u>					•	°F
·	Other 🛄	Pressure	psi		Test 1	emp	
NOTE: Supplemen	ntal sheets in form o tems 1 through 6 on	f lists, sketches, this report is in	, or drawings	s may be us	ed, provi nd (3) ea	ded (1) size is 8 ach sheet is nun	3 1/2 x 11 in., nbered and
the number of she	ets is recorded at th	e top of this form	m.	37 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	(5) 50		
1							

FO	RN	I NIS	-2 (B	ack)

Remarks	W.O. 231242 VALVE AND DRAIN NIPPLE REPLACEMENT (2JRCEPSV0201). THE
	VALVE BEING ROTATED TO FACILITATE TESTING. THE REPLACEMENT VALVE IS
	1971 EDITION, WINTER 72 ADDENDA AND RECONCILED TO THE 1974 EDITION SUMMER 75' ADDENDA AS PER THE SECTION XI 95 EDITION 96 ADDEDNA
	REQUIREMENTS. RECONILATION PER MEE #02504.
	CERTIFICATE OF COMPLIANCE
We certif	y that the statements made in the report are correct and this replacement conforms to the rules
	ME Code, Section XI.
	A control of the cont
Type Co	de Symbol Stamp N/A
	e of Authorization No. N/A Expiration Date N/A
Signed	gothy classes 151 ENGINEER Date 11-3-00
olgiled_	Owner or Owner's Designee, Title
	A Marine State Control of the Contro
	,可以为一个人的人,不是一个人的人,不是有什么。 "我们的一个人,我们就是一个人,我们就是一个人,我们就会不是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个人,我们就是一个
	A CONTRACTOR NOTE OF THE PARTY
	CERTIFICATE OF INSERVICE INSPECTION
I. the unc	lersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
	s and the State or Province of <u>Arizona</u> and employed by <u>HSBI &amp; I CO.</u>
	rtford, Connecticut, have inspected the components described in this Owner's Report during
the perio	d $\frac{10-11-00}{10}$ to $\frac{11-3-00}{10}$ , and state that to the best of my knowledge and
belief, the	Owner has performed examinations and taken corrective measures described in this Owner's
	accordance with the requirements of the ASME Code, Section XI.
Py ciania	g this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied
	ng the examinations and corrective measures described in this Owner's Report. Furthermore,
	ne Inspector nor his employer shall be liable in any manner for any personal injury or property
	or a loss of any kind arising from or connected with this inspection:
uamaye	of a 1033 of any kind anising from or connected may also inspection.
	2/2 Austral Commissions NB 9685 "N" "1" Az 264
-	(Inspector's Signature Commissions NB 9685 "N" "1" Az 264  National Board, State, Province, and Endorsements
Date_	11-3-00

	ASME SECTION	ON XI - REPAIR/R	EPLACEMEN1	
1. Component ID 2JR	CEPSV0202	2. Code Cla	ass 1	
	ESSURIZER SAFETY I			
4. N-5 Package Numbe	er 2RC03-2	5. W.O. Nur	mber <u>W.O. 231243</u>	
		ITION '75 SUMMER AL		
7. Original Installation (	Code Edition 1974 EDIT	TION WINTER '75 ADD	ENDA	
8. Work Description RI	EPLACE DRAIN NIPPL	E AND VALVE PER W	O. 231243.	
9. 🔲 ISI Flaw	NDE M	ethod of Flaw Detection	-	
		Report Number		
		er the requirements of IAV		774
THE VALVE BEI	NG ROTATED TO FAC OR 72 ADDENDA AND	ILITATE TESTING. TH RECONCILED TO THE	E REPLACEMENT 1974 EDITION SUN	MMER '75 ADDENDA
AS PER THE SEC	TION XI 97 EDITION 9	6 ADDENDA REQUIRE	EMENTS. RECONCI	LATION AS PER
MEE #02504.	95,480 104.5	00		
11. Repair/Replacemen	t Work Organization <u>AF</u>	PS		
12. Replacement Item C	Construction or reconciled	Code/Edition 1974 EDI	TION SUMMER 197	75 ADDENDA
13. Repair/Replacemen	t Activity Construction Co	de/Edition 1974 EDITIO	N & 1975 WINTER	ADDENDA
14. ASME Section XI Co	ode/Edition 1992 EDITI	ON & 1992 ADDENDA		
15. Preservice Inspection	on Required.	∵ <b>⊘</b> YI	ES 🔲 NO	
MBN 10/09/0		a step in the W.O. to per	form Preservice Inspe	ection.
Initial Date	sees we Took Decided	· YE	≣S □ NO	)
16. ASME Section XI Pr MBN 10/09/0		a step in the W.O. for ISI		•
Initial Date	<del></del>	in the W.O. to complete N		leasing the component.
Initial Date	<del></del>	in the W.O. to record belo		
MBN 10/09/0	replacement it		w an applicable num	
ITEM I.D.	PART NO.	SERIAL NO.	HEAT NO.	MR/ROS NO.
2JRCEPSV0202	APN#45003560	BQ07678	N/A	MUTICAOI
VALVE NIPPLE	APN#43571055	N/A	461449	MN# UNZ L93
CAP	APN#43550622	N/A	HYD	M14472693
	:			
19. Planner McQ	Ob Neure of	10/09/00 Print N	lame MICHAEL B. l	NEWELL
20. ISI Engineer	Product Signature	10 -10-00 Print N	lame R.P.	MACHI
21 ANII / X	Signature Jays trans	Date  Print N	lame ROBERT G. H	OGSTROM
21. ANII	Signature	Date	IGINO ICODERT G. II	

1. Owner <u>Arizona</u>	Public Service Co	mpany, et. al.			Date		10/28/00	
	53999, Phoenix.				Sheet_	1	of	
2 Plant Palo Ver	de Nuclear Genera			•	Unit		2	
•	Wintersburg Rd., 7	lame					W.O. #231243	
		ddress					Work Order Number	
3. Work Performed by	y ARIZONA PUE		E	·	Туре Со	de Syn	nbol Stamp	None
		lame		•	Authoriza	ation N	lo. N	/A
5801 S.	WINTERSBURG		AH AZ,853					
	201010	<sup>ddress</sup> E SECTION II	II CLASS 1					,
4. Identification of Sy	stem 100 1101111	JOBOTTOTA I	T OLITOD I					
5. (a) Applicable Cor	nstruction Code <u>SEC</u>	III CLASS 1	19. <u>74</u> I	Edition,	75'S	Adde	enda,	Code Case
(b) Applicable Edi	tion of Section XI Utiliz	ced for Repairs or	Replacemer	nts 19	92 Edit	ion, _]	1992 Adder	nda
					,			
6. Identification of Co	mponents Repaired o	r Replaced and H	leplacement (	Compor	nents			
Name of	Name of	Manufacturer			ther	Year		ASME Code Stamped
Item	Manufacturer	Serial No.	Board No.	Identi	fication	Built	Replacement	
PSV-VALVE	DRESSER	BQ07678	N/A	2JRCE	EPSV202	1978	Replacement	Yes
PIPE CAP	N/A	461449	N/A	2JRCE	EPSV202	2000	Replacement	No
NIPPLE	N/A	HYD	N/A	2JRCE	EPSV202	2000	Replacement	No
								j <sub>j</sub> "
								1 ;
					*			
	,	7						
		1	<u> </u>	l	* .:		L	
7. Description of Wor	k VALVE AND I	DRAIN NIPPL	E REPLA	CEME	ENT.	<del></del>	- <u>-</u>	
8. Test Conducted:	Hvdrostatic ☐ F	neumatic 🔟 💮	Nominal Ope	erating	Pressure	V	Exempt	N-416-1 🔲
							· <del>-</del>	<del></del>
	Other	Pressure	psi			Test To	emp.	°F
				,				
NOTE: Supplemen	tal sheets in form of	lists, sketches,	or drawings	may t	oe used,	provid	ded (1) size is 8	1/2 x 11 in.,
	ems 1 through 6 on ets is recorded at the			ach she	eet, and	(3) ea	cn sneet is nun	npered and
and fidiliber of dilet	on to todorada at an		· • •				•	

. Remarks	W.O. 231243 VALVE AND DRAIN NIPPLE REPLACEMENT (2JRCEPSV0202). THE
	VALVE BEING ROTATED TO FACILITATE TESTING. THE REPLACEMENT VALVE IS
	1971 EDITION, WINTER 72 ADDENDA AND RECONCILED TO THE 1974 EDITION SUMMER 75' ADDENDA AS PER THE SECTION XI 95 EDITION 96 ADDEDNA
	REQUIREMENTS. RECONCILATION PER MEE #02504.
	CERTIFICATE OF COMPLIANCE
1	fy that the statements made in the report are correct and this replacement conforms to the rules February or replacement repla
	de Symbol Stamp N/A
1	te of Authorization No. N/A Expiration Date
Signed	
	Owner or Owner's Designee, Title
	The state of the s
	CERTIFICATE OF INSERVICE INSPECTION
I, the un	dersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel rs and the State or Province of <u>Arizona</u> and employed by <u>HSBI &amp; I CO.</u>
of <u>Ha</u>	rtford. Connecticut , have inspected the components described in this Owner's Report during d 10-11-00 to 11-03-00 , and state that to the best of my knowledge and
	e 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.
concerni	ng this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, ng the examinations and corrective measures described in this Owner's Report. Furthermore,
	ne Inspector nor his employer shall be liable in any manner for any personal injury or property or a loss of any kind arising from or connected with this inspection.
	Oh date Commissions NB 9635 "N" "1" Az. 264
	The Augsteen Commissions No. 9685 "N" "1" Az. 264  Inspector's Signature National Board, State, Province, and Endorsements
Date_	11-3-00

	ASME SECTION	ON XI - REPAIR/R	REPLACEMENT	
1. Component ID 2JR	CEPSV0203	2. Code Cla	ass <u>1</u>	
	ESSURIZER SAFETY I			
4. N-5 Package Numbe	r 2RC03-2	5. W.O. Nur	mber <u>W.O. 231244</u>	
6. Original Construction	Code Edition 1974 ED	ITION '75 SUMMER AI	DDENDA	
7. Original Installation 0	Code Edition 1974 EDIT	ION WINTER '75 ADD	ENDA	
8. Work Description RI	EPLACE VALVE PER V	VORK ORDER W.O. 23		elded capon
			rain pipe	10-26-00
9. 🔲 ISI Flaw	NDE Me	ethod of Flaw Detection		
•		•		
		r the requirements of IAV ILITATE TESTING. TH		ALVE IS
SN#BY14538.	NO ROTATED TO TAC	EHAIL ILBING. III	E REI ELICINETY	
			•	
	A.T.			
·	t Work Organization <u>AF</u>		TO LOUIS AND LOS	IS A DIDENIDA
	· ·	Code/Edition 1974 EDI		
•		de/Edition 1974 EDITIO		ADDENDA
14. ASME Section XI Co	ode/Edition 1992 EDITI	ON & 1992 ADDENDA		
15. Preservice Inspection		<b>☑</b> Y		
MBN 10/09/0	0 If required, include	a step in the W.O. to per	form Preservice Inspe	ection.
16. ASME Section XI Pr	essure Test Required	<b>☑</b> YI	ES 🛄 NO	)
MBN 10/09/0		a step in the W.O. for ISI	& ANII Inspection.	
Initial Date MBN 10/09/0	00 17. Include a step	in the W.O. to complete I	NIS-2 Form prior to rel	easing the component.
Initial Date MBN 10/09/0	00 18. Include a step	in the W.O. to record belo	ow all applicable num	bers for repaired or
Initial Date	replacement it	ems.		MR/ROS NO.
ITEM I.D. 2JRCEPSV203	PART NO. APN#45003560	SERIAL NO. BY14538	HEAT NO. N/A	M1# 472787
VALVE	11111113003300	211.000		
				· · · · · · · · · · · · · · · · · · ·
19. Planner Nu Du	9 Dywol	10/09/00 Print N	lame <u>MICHAEL B. 1</u>	NEWELL
20. ISI Engineer	Phodap	10-10-00 Print N	lame RPJ	JDAP
OI ANII /A /	Signature	Date	lame <u>ROBERT G. H</u>	OGSTROM
21. ANII 💢 🗶	( Signature	Date	<u></u>	

#### FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI 1. Owner Arizona Public Service Company, et. al. 10/28/00 · \_\_ Date \_ P.O. Box 53999, Phoenix, Arizona 85072-2034 Sheet 2. Plant Palo Verde Nuclear Generating Station Unit \_\_\_\_\_ 5801 S. Wintersburg Rd., Tonopah, Arizona 85354-7529 W.O. 231244 \_\_\_ Type Code Symbol Stamp 3. Work Performed by ARIZONA PUBLIC SERVICE N/A Authorization No. N/A 5801 S. WINTERSBURG RD. TONOPAH AZ,85354 Expiration Date RC ASME SECTION III CLASS 1 4. Identification of System 5. (a) Applicable Construction Code SEC III CLASS 1 1974 Edition, 75'S Addenda, Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 92 Edition, 1992 Addenda 6. Identification of Components Repaired or Replaced and Replacement Components ASME Code Repaired Year Name of Name of Manufacturer National Other Stamped Board No. Identification Built Replacement Manufacturer Serial No. Item (Yes or No) BY14538 N/A 2JRCEPSV203 1991 Replacement Yes DRESSER **PSV-VALVE** 2JRCEPSV203 2000 Repaired No N/A N/A PIPE CAP N/A 2JRCEPSV203 2000 Repaired No **NIPPLE** N/A N/A N/A 7. Description of Work RE-WORKED DRAIN NIPPLE AND PIPE CAP, REPLACED VALVE.

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 x 11 in.,
(2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and

Pressure

Pneumatic Nominal Operating Pressure 🗹 Exempt 🔲 N-416-1 🔲

Test Temp.

8. Test Conducted: Hydrostatic

Other |

the number of sheets is recorded at the top of this form.

Remarks	VALVE W.O. 231244 BEING ROTATED TO FACILATE TESTING. THE REPLACEMENT
	VALVE IS SN# BY14538. RE-WORKED EXISTING DRAIN NIPPLE AND WELDED PIPE
	CAP.
	•
	CERTIFICATE OF COMPLIANCE
	y that the statements made in the report are correct and this replacement conforms to the rules ME Code, Section XI.
	And the second of the second o
Type Co	de Symbol Stamp N/A
Certificat	e of Authorization No. N/A Expiration Date
Signed	Willy CHELL 151 ENGINEER Date 11-3-00
	Owner or Owner's Designee, Title
<del> </del>	CERTIFICATE OF INSERVICE INSPECTION
<del> </del>	
I, the unc	lersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspector	lersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel s and the State or Province of <u>Arizona</u> and employed by <u>HSBI &amp; I CO.</u>
Inspector of Ha	dersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel and the State or Province of <u>Arizona</u> and employed by <u>HSBI &amp; I CO.</u> rtford, Connecticut, have inspected the components described in this Owner's Report during
Inspector of <u>Ha</u> the perio	lersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel is and the State or Province of <u>Arizona</u> and employed by <u>HSBI &amp; I CO.</u> **rtford. Connecticut have inspected the components described in this Owner's Report during to, and state that to the best of my knowledge and
Inspector of <u>Ha</u> the periodelief, the	dersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel and the State or Province of Arizona and employed by HSBI & I CO.  Intercrete the components described in this Owner's Report during the state of the components of the best of my knowledge and the Owner has performed examinations and taken corrective measures described in this Owner's accordance with the requirements of the ASME Code, Section XI.
Inspector of <u>Ha</u> the periodelief, the	dersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel and the State or Province of Arizona and employed by HSBI & I CO.  Intercretation of the Components described in this Owner's Report during to to to to to to to to to to to to to
Inspector of <u>Ha</u> the perio belief, the Report in	dersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel and the State or Province of Arizona and employed by HSBI & I CO.  Intercrete the components described in this Owner's Report during the second of the components of the less of my knowledge and the Owner has performed examinations and taken corrective measures described in this Owner's accordance with the requirements of the ASME Code, Section XI.
Inspector of <u>Ha</u> the perio belief, the Report in	dersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel is and the State or Province of Arizona and employed by HSBI & I CO.  Interford, Connecticut have inspected the components described in this Owner's Report during to 10-11-00 to 11-3-00 had a connective measures described in this Owner's accordance with the requirements of the ASME Code, Section XI.  In this certificate, neither the Inspector nor his employer makes any warranty, expressed or implieding the examinations and corrective measures described in this Owner's Report. Furthermore,
Inspector of <u>Ha</u> the perio belief, the Report in  By signir concernineither the	dersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel and the State or Province of Arizona and employed by HSBI & I CO.  **THOTO.** Connecticut**, have inspected the components described in this Owner's Report during to 10-11-00 to 11-3-00, and state that to the best of my knowledge and a Cowner has performed examinations and taken corrective measures described in this Owner's accordance with the requirements of the ASME Code, Section XI.  **THOTO INTERIOR OF THE SECTION OF THE SECTI
Inspector of <u>Ha</u> the perio belief, the Report in  By signir concernineither the	dersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel is and the State or Province of Arizona and employed by HSBI & I CO.  Interford, Connecticut have inspected the components described in this Owner's Report during to 10-10-00 to 10-3-00 had a connective measures described in this Owner's accordance with the requirements of the ASME Code, Section XI.  In this certificate, neither the Inspector nor his employer makes any warranty, expressed or implieding the examinations and corrective measures described in this Owner's Report. Furthermore,
Inspector of <u>Ha</u> the perio belief, the Report in  By signir concernineither the	dersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel and the State or Province of Arizona and employed by HSBI & I CO.  Interford, Connecticut have inspected the components described in this Owner's Report during to 10-13-00 have inspected the components described in this Owner's Report during accordance with the requirements and taken corrective measures described in this Owner's accordance with the requirements of the ASME Code, Section XI.  In this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied the examinations and corrective measures described in this Owner's Report. Furthermore, the Inspector nor his employer shall be liable in any manner for any personal injury or property or a loss of any kind arising from or connected with this inspection.
Inspector of <u>Ha</u> the perio belief, the Report in  By signir concernineither the	dersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessels and the State or Province of Arizona and employed by HSBI & I CO.  Interford, Connecticut have inspected the components described in this Owner's Report during to 10-13-00 have inspected the components described in this Owner's Report during a Cowner has performed examinations and taken corrective measures described in this Owner's accordance with the requirements of the ASME Code, Section XI.  In this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied the examinations and corrective measures described in this Owner's Report. Furthermore, the Inspector nor his employer shall be liable in any manner for any personal injury or property or a loss of any kind arising from or connected with this inspection.
Inspector of <u>Ha</u> the perio belief, the Report in  By signir concernineither the	dersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel and the State or Province of Arizona and employed by HSBI & I CO.  Interferd, Connecticut have inspected the components described in this Owner's Report during to 10-11-00 to 11-3-00 had state that to the best of my knowledge and a Cowner has performed examinations and taken corrective measures described in this Owner's accordance with the requirements of the ASME Code, Section XI.  In this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied the examinations and corrective measures described in this Owner's Report. Furthermore, the Inspector nor his employer shall be liable in any manner for any personal injury or property
Inspector of <u>Ha</u> the perio belief, the Report in  By signir concernineither the	dersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessels and the State or Province of Arizona and employed by HSBI & I CO.  Interford, Connecticut have inspected the components described in this Owner's Report during to 10-13-00 have inspected the components described in this Owner's Report during a Cowner has performed examinations and taken corrective measures described in this Owner's accordance with the requirements of the ASME Code, Section XI.  In this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied the examinations and corrective measures described in this Owner's Report. Furthermore, the Inspector nor his employer shall be liable in any manner for any personal injury or property or a loss of any kind arising from or connected with this inspection.

	ASME SECT	ION XI - REPAIR	/REPLACEMENT	
1. Component ID 2J	SGAUV0500S	2. Code	Class ASME III, CLASS	5.2
	"-900# PRESSURE SEA			3 2
4. N-5 Package Numb	ber 2SG02-1A	5. W.O. N	Number <u>243062</u>	
		DITION, SUMMER 197	75 ADDENMDA	
		ITION, WINTER 1975 A		
<u>.                                    </u>	DISASSEMBLE VALVE BOLTS IN BONNET DU NEW UNCONTAMINAT	JRING DISASSEMBLY	ACEMENT AND DECC FOR EASE OF REASS	ON. BROKE OFF SEMBLY WILL USE
9. 🔲 ISI Flaw	NDE N	Method of Flaw Detection	1	
•		Report Number		
10. Evaluation of the s	uitability of this work as p	Der the requirements of IA	₩-4150.	
NOT A PRESSUI	RE BOUNDARY FAILUAND TO REDUCE CON	JRE. BONNET IS BEIN	NG REPLACED FOR EA ONENTS IN THIS VALV	SE OF
	THE TO REDUCE CO.	TAININATED COM	NENIS IN THIS VAL	VE.
11. Repair/Replacemen	nt Work Organization A	PS		
12. Replacement Item (	Construction or reconcile	d Code/Edition ASME I	III, CLASS 2, 1974 EDIT	ΓΙΟΝ, S'1975 ADD.
			CLASS 2, 1974 EDITIO	
14. ASME Section XI C	ode/Edition 1992 EDIT	ION AND 1992 ADDE	ENDA	2.2
15. Preservice Inspecti		* · · · · · · · · · · · · · · · · · · ·	YES 🗹 NO	
Amy 10/28/0	·		erform Preservice Inspect	tion
Initial Date			1. Tat - 12	uori.
16. ASME Section XI Pr	• ,	· · · · · · · · · · · · · · · · · · ·	YES 🔲 NO	
Initial 10/28/0		e a step in the W.O. for IS		
Initial Date		in the W.O. to complete	NIS-2 Form prior to relea	asing the component.
10/28/0 Initial 10/28/0	00 18. Include a step replacement it	in the W.O. to record be	low all applicable numbe	rs for repaired or
ITEM I.D.	PART NO.	SERIAL NO.	HEAT NO.	MR/ROS NO.
VALVE BONNET		229Н-3	K171	PL0433129
			· · · · · · · · · · · · · · · · · · ·	
			:	
		<u> </u>		
19. Planner Oan	Jen Smilt	10-28-UD Print N	Name DAVID GOODLE	FT
20. ISI Engineer	Signature Mono	Date	Name <u>Alan M</u>	
21. ANII	Signature	i i	Name ROBERT HOGST	
	Signature	Date	10000	ROM

1. Owner _	Arizona	Public Service Co	mpany, et. al.			Date _		10/28/00	)
!		x 53999, Phoenix,							
2. Plant <u>]</u>	Palo Ve	erde Nuclear Genera	ating Station			Unit		2	
		Wintersburg Rd., 7	Name					WO# 243062	2
		A	ddress			<del>_</del> _		Work Order Number	
3. Work Pe	∍rformed b	by <u>Arizona Public S</u>	Service Co.		·	Type Co	ode Syr	mbol Stamp	None
			amo			Authoriz	ation N	NoN	J/A
	5801 S.	WINTERSBURG	RD., TONOP	AH, AZ. 8	5354	Expiration	on Date	eN	/A
4. Identifica	ation of St		Address AIN STEAM	· ·					
		, o. o. o. o. o. o. o. o. o. o. o. o. o.							
5. (a) Appli	icable Cor	onstruction Code ASM	1E III, CLASS	3 2 19 74	Edition,	S'75	_ Adde	enda,	_ Code Case
(b) Appl	licable Edi	lition of Section XI Utiliz		r Replacemer	nts 19	92 Edi	tion, _	1992 Adde	nda
			merally is to		•	;			
6. Idenuiica	ition of Co	omponents Repaired or	Replaced and H	teplacement (	Compor	nents:			
Name Item		Name of Manufacturer	Manufacturer Serial No.	National Board No.	OI Identi	ther fication	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)
BONN	1ET	Anchor/Darling	229H-3					Replacement	
	,,	:. '							
· · · · · · · · · · · · · · · · · · ·						:			
<del></del>		· , ,			<del> </del>		<del></del>		<del>                                     </del>
					2 3 3 4.4.				-
			toranda o ser o la colo	<u>, , , , , , , , , , , , , , , , , , , </u>	2-	<u></u>			<u> </u>
7. Descriptic	on of Worl	k VALVE DISASS	SEMBLY FO	R REPACI	K <u>ANI</u>	DECC	ΟΝ		
							·		
8. Test Cond	ducted:	Hydrostatic Pr	neumatic 🗔 🔝	Nominal Ope				Exempt	N-416-1 🔲
		Other 🔲	Pressure	psi			Test Te	emp.	°F
		•			-	••		,	_
(2) informat	ation in ite	tal sheets in form of li ems 1 through 6 on the ets is recorded at the	his report is incl	luded on ea	may be	et, and (	provida (3) eac	ed (1) size is 8 ch sheet is num	1/2 x 11 in., bered and

. Remarks	WO# 243062 DISASSEMBLED VALVE 2JSGAUV0500S FOR REPACK AND DECON.
	REPLACED BONNET, STEM AND MISC HARDWARE.
,	REPLACED SOMNET ON ANCHOR DARLING VLV 5/N E-6374-50-3 BULT 1978
•	THE PARTY OF THE P
	CERTIFICATE OF COMPLIANCE
	that the statements made in the report are correct and this _replacement_ conforms to the rules
of the AS	ME Code, Section XI.
	A State of the State State of the Company of the Co
Type Cod	e Symbol Stamp
Certificate	of Authorization NoExpiration Date
Signed	Proteste 181 ENGINEER Date 11-4-00
_	Owner or Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
1	
I the unde	projagned, holding a valid commission issued by the Netional Board of Bellev and Dynamy Venet
	ersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
	and the State or Province of <u>Arizona</u> and employed by <u>HSBI &amp; I CO.</u>
	ford. Connecticut , have inspected the components described in this Owner's Report during
	יס-29-00 to יו-א-סס , and state that to the best of my knowledge and
	Owner has performed examinations and taken corrective measures described in this Owner's
Luchou in s	accordance with the requirements of the ASME Code, Section XI.
By signing	this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied,
1	the examinations and corrective measures described in this Owner's Report. Furthermore,
	Inspector nor his employer shall be liable in any manner for any personal injury or property
1	r a loss of any kind arising from or connected with this inspection.
1	Commissions NB 9685 "N" "1" Az. 264
	Inspector's Signature National Board, State, Province, and Endorsements
Date ►	Commissions NB 9685 "N" "1" Az 264  Inspector's Signature  National Board, State, Province, and Endorsements  JOVEMBER 4, 2000
	The state of the s

1. Component ID 2PSGEV693 2. Code Class ASME III Class 2						
1. Component ID 2PSGEV693 2. Code Class ASME III Class 2						
3. Item Description Anchor/Darling: 8"-900# Tilt Disc Check Valve, Pressure Seal.						
4. N-5 Package Number <u>2SG02-1A</u> 5. W.O. Number <u>2326588</u>						
6. Original Construction Code Edition 1974 EDITION, SUMMER 1975 ADDENDA						
7. Original Installation Code Edition 1974 EDITION, WINTER 1975 ADDENDA						
8. Work Description REPLACEMENT OF THE TWO (2) HINGE PIN BONNETS DUE TO DAMAGE ENCURRED DURING THE MAINTENANCE DISASSEMBLY OF THE VALVE FOR "ISI INSPECTION.	<del></del>					
9. ISI Flaw NDE Method of Flaw Detection						
Report Number						
10. Evaluation of the suitability of this work as per the requirements of IAW-4150.  No failure in the ASME pressure boundary. Replacement due to maintenance damage during disassembly of the valve. Used vender supplied replacement parts.						
11. Repair/Replacement Work Organization APS						
12. Replacement Item Construction or reconciled Code/Edition ASME III CLASS 2, 1974 ED., S'75 ADD.						
13. Repair/Replacement Activity Construction Code/Edition ASME III CLASS2, 1974 ED., W'75 ADD.						
14. ASME Section XI Code/Edition 1992 EDITION AND 1992 ADDENDA						
15. Preservice Inspection Required.						
Drug 10/11/00 If required, include a step in the W.O. to perform Preservice Inspection.						
16. ASME Section XI Pressure Test Required YES NO						
Initial Date If required, include a step in the W.O. for ISI & ANII Inspection.						
Den G 10/14/00 17. Include a step in the W.O. to complete NIS-2 Form prior to releasing the component	ıt.					
Date 10/14/00 18. Include a step in the W.O. to record below all applicable numbers for repaired or replacement items.						
ITEM I.D. PART NO. SERIAL NO. HEAT NO. MR/ROS NO						
2PSGEV693 6496-1-5 N/A A576 & TR CD. A576 PL0427345						
2PSGEV693 6496-1-5 N/A A5/6 & TR CD. A5/6 PL042/343						
2PSGEV693 6496-1-5 N/A A5/6 & TR CD. A5/6 PL042/345						
21002103						
21002103						
21002103						
19. Planner David And David 10-14-00 Print Name DAVID GOODLET						
19. Planner Double David Goodlet						

#### FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI 1. Owner Arizona Public Service Company, et. al. Date 10/14/00 P.O. Box 53999, Phoenix, Arizona 85072-2034 Sheet 1 of 2 \_\_\_\_\_ Unit \_\_\_\_\_ 2. Plant Palo Verde Nuclear Generating Station 5801 S. Wintersburg Rd., Tonopah, Arizona 85354-7529 W0# 2326588 Address Work Order Number 3. Work Performed by Arizona Public Service Co. Type Code Symbol Stamp None Authorization No. N/A Palo Verde Generating Station Expiration Date N/A "SG" - Main Steam 4. Identification of System 5. (a) Applicable Construction Code ASME III Class 2 19 74 Edition, S'75 Addenda, Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 92 Edition, 1992 Addenda 6. Identification of Components Repaired or Replaced and Replacement Components ASME Code Repaired Year National Other Name of Manufacturer Name of Stamped or Board No. Identification Built Replacement Item Manufacturer Serial No. (Yes or No) 2000 Replacement No n/a 2PSGEV693 Anchor/Darling n/a Hinge Pin Bonnet 7. Description of Work Disassembly & inspection of check valve for our ISI program. Pneumatic Nominal Operating Pressure Exempt N-416-1 🔲 8. Test Conducted: Hydrostatic Test Temp. \_\_\_\_ Other 🔲 Pressure psi

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 x 11 in., (2) information in items 1 through 6 on this 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-2 (Back)
9.	Remarks	WO# 2326588 disassembled and inspected the check valve for our "ISI" inspection program.  The two (2) hinge pin bonnets were damaged during removal and were replaced with vendor supplied spare parts.  Replaced Himse Pin Bonnets on Anchor Darling UV. 5/2 201516
		CERTIFICATE OF COMPLIANCE
	1	fy that the statements made in the report are correct and this replacement conforms to the rules FME Code, Section XI.
	1	te of Authorization No. n/a Expiration Date
•	L	
		CERTIFICATE OF INSERVICE INSPECTION
	of <u>Ha</u> the perio	dersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel rs and the State or Province of <u>Arizona</u> and employed by <u>HSBI &amp; I CO.</u> <a href="https://example.com/rtford">rtford</a> , Connecticut , have inspected the components described in this Owner's Report during to <u>u-3-∞</u> , and state that to the best of my knowledge and e Owner has performed examinations and taken corrective measures described in this Owner's accordance with the requirements of the ASME Code, Section XI.
	concerni neither th	ng this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, ng the examinations and corrective measures described in this Owner's Report. Furthermore, ne Inspector nor his employer shall be liable in any manner for any personal injury or property or a loss of any kind arising from or connected with this inspection.

Commissions N5 9685 "N" "("

National Board, State, Province, and Endorsements

Date\_\_\_

ASME SECTION XI - REPAIR/REPLACEMENT	
1. Component ID 2MRCEA06 2. Code Class ASME Section III, Class 1	
3. Item Description REACTOR COOLANT SYSTEM PRESSURIZER HEATER SLEEVE	
4. N-5 Package Number <u>2RC01-1A</u> 5. W.O. Number <u>2327197</u>	_
6. Original Construction Code Edition ASME Section III, Class 1, 1971 Edition, Winter 1973 Addenda	
7. Original Installation Code Edition ASME Section III, Class 1, 1974 Edition, Winter 1975 Addenda	
8. Work Description  1. Temper Bead Weld Pad Around Heater 2MRCEA06 Sleeve Opening.  2. Inconel 690 Plug Welded to the Pad to Close the Heater Opening. SEE DFWO# 2327179 Disposition.	<u> </u>
	_
9. ISI Flaw NDE Method of Flaw Detection N/A	-
Report Number N/A	
<ol> <li>Evaluation of the suitability of this work as per the requirements of IAW-4150.</li> <li>Cracked Sleeve is Partially Removed and the Opening is Being Plugged with Corrosion Resistant Inconel 690</li> </ol>	
Material. See Detailed Evaluation in DFWO 2327179 & CRDR 2326705.	_
	-
Wolding Comings Incorported	
11. Repair/Replacement Work Organization Welding Services Incorportaed  Welding Services Incorportaed  Welding Services Incorportaed	_
12. Replacement Item Construction or reconciled Code/Edition ASME Sec.III Cl.1/'71 Edition '73 Winter Addenda	 1
13. Repair/Replacement Activity Construction Code/Edition ASME XI, '92Addenda & Subsection NB '75 Winter Ad	<u>1e</u>
14. ASME Section XI Code/Edition ASME Section XI, 1992 Edition, 1992 Addenda	
15. Preservice Inspection Required.	
N/A to (voloc) If required, include a step in the W.O. to perform Preservice Inspection.	
16. ASME Section XI Pressure Test Required YES NO	
KVS しんてい If required, include a step in the W.O. for ISI & ANII Inspection.	
Initial Date     No.     No.	
Initial Date  KVS   lo lla locate   18. Include a step in the W.O. to record below all applicable numbers for repaired or replaced items.	
COMP I.D. PART NO. SERIAL NO. HEAT NO. MR/ROS NO.	
Sleeve Plug N/A N/A NXO911 HK MR* 472744	
19. Planner to Savage Print Name Karl V. Savage	
20. ISI Engineer Io IIZ OO Print Name Ramakant P. Indap	
21. ANII 15-12-00 Print Name Robert G. Hogstrom (Signature Date	

1. Owner <u>Arizona Public Service Company, et. al.</u>					Date		11/02/00	
P.O. Box 53999, Phoenix, Arizona 85072-2034					Sheet_	1	of	2
2. Plant Palo Verde Nuclear Generating Station							2	
	Wintersburg Rd., 7							
<u> </u>	Α	ddress					Work Order Number	
3. Work Performed by	welding Service	es Incorporateo	<u>d</u>		Type Co	de Syn	mbol Stamp	None
		Today.			Authoriz	ation N	loN	/A
2225 Sk	yland Court, Norce		30071		Expiration	on Date	N/.	<u>A</u>
4. Identification of Sys	DC ACN	Address AE Section III,	, Class 1	· <u></u>				
, ·								
5. (a) Applicable Con	nstruction Code Secti	ion III, Class 1	1971	Edition,	W/'73	_ Adde	nda,	Code Case
(b) Applicable Edit	ition of Section XI Utiliz	zed for Repairs or	r Replacemer	nts 19	92 Edit	tion, _]	1992 Adder	nda
			_					ļ
6. Identification of Co	emponents Repaired or	r Replaced and H	eplacement (	Compon	nents			
Name of		Manufacturer	National	Of	ther	Year	Repaired or	ASME Code Stamped
Item	Manufacturer	Serial No.	Board No.	Identi	fication	Built	or Replacement	(Yes or No)
Temp. Bead Pad	APS	N/A	N/A	1			Repaired	No
Plug	APS	N/A	N/A	NX09	911HK	2000	Replacement	No
,3			!		. ]			,
				<b> </b>				
				<del> </del>				
		<u> </u>		L	<del></del>			
7. Description of Worl	k Install Tempered	d Bead Pad an	d Inconel 6	90 Plı	ıg			
	. —		-	_		_		
8. Test Conducted:	Hydrostatic P	Pneumatic 🔲	Nominal Ope	∍rating ⊦	Pressure	L	Exempt	N-416-1 🔼
	Other _	Pressure	psi			Test Te	emp	°F
	<del></del>	<del></del>						_
NOTE: Sunnlemen	tal sheets in form of	liete ekatohas	or drawings	· may h	ha usad	provid	10 /11 diza is 8	1/2 v 11 in
(2) information in ite	ems 1 through 6 on the size of	this report is inc	cluded on ea					
		•						,

	FORM NIS-2 (Back)
Remarks	WO# 2327197. 1. Temper Bead Weld Pad Around A06 heater Opening. 2. Inconel 690 Plug welded to the Pad to Close the Sleeve Opening. See DFWO#2327179.
	·
	CERTIFICATE OF COMPLIANCE
1	by that the statements made in the report are correct and this repair conforms to the rules GME Code, Section XI.
Type Co	de Symbol Stamp NA
Certificat	e of Authorization No. NA Expiration Date
Signed _	Jufford ISI Engineer Date //-3-00 Owner or Owner's Designee, Title
<u> </u>	
	CERTIFICATE OF INSERVICE INSPECTION
Inspector of <u>Har</u> the period belief, the	ersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessels and the State or Province of <u>Arizona</u> and employed by <u>HSBI &amp; I CO</u> .  In the State or Province of <u>Arizona</u> and employed by <u>HSBI &amp; I CO</u> .  In the State or Province of <u>Arizona</u> and employed by <u>HSBI &amp; I CO</u> .  In the State or Province of <u>Arizona</u> and employed by <u>HSBI &amp; I CO</u> .  In the State or Province of <u>Arizona</u> and employed by <u>HSBI &amp; I CO</u> .  In the State or Province of <u>Arizona</u> and employed by <u>HSBI &amp; I CO</u> .  In the State or Province of <u>Arizona</u> and employed by <u>HSBI &amp; I CO</u> .  In the State or Province of <u>Arizona</u> and employed by <u>HSBI &amp; I CO</u> .  In the State or Province of <u>Arizona</u> and employed by <u>HSBI &amp; I CO</u> .  In the State or Province of <u>Arizona</u> and employed by <u>HSBI &amp; I CO</u> .  In the State or Province of <u>Arizona</u> and employed by <u>HSBI &amp; I CO</u> .  In the State or Province of <u>Arizona</u> and employed by <u>HSBI &amp; I CO</u> .  In the State or Province of <u>Arizona</u> and employed by <u>HSBI &amp; I CO</u> .  In the State or Province of <u>Arizona</u> and employed by <u>HSBI &amp; I CO</u> .  In the State or Province of <u>Arizona</u> and employed by <u>HSBI &amp; I CO</u> .  In the State or Province of <u>Arizona</u> and employed by <u>HSBI &amp; I CO</u> .  In the State or Province of <u>Arizona</u> and employed by <u>HSBI &amp; I CO</u> .  In the State or Province of <u>Arizona</u> and employed by <u>HSBI &amp; I CO</u> .  In the State or Province of <u>Arizona</u> and employed by <u>HSBI &amp; I CO</u> .

PV-E0092 Ver. 6 BACK 73DP-9ZZ17

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

Commissions NB 9685 "N" "I" AZ 264

National Board, State, Province, and Endorsements

damage or a loss of any kind arising from or connected with this inspection.

4-3-00

Date