

A subsidiary of Pinnacle West Capital Corporation

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102-05642-SAB/TNW/RJR February 09, 2007

Document Control Desk U.S. Nuclear Regulatory Commission 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 – Thirteenth Refueling Outage

Inservice Inspection 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 in the enclosure PVNGS Unit 2 Inservice Inspection Summary Report for the thirteeth refueling outage. This refueling outage was conducted from September 30, 2006 through November 14, 2006.

This letter does not make any commitments to the NRC.

Please contact Thomas N. Weber at (623) 393-5764 if you have any questions or require additional information.

Sincerely,

TNWBOR. for SA Banon

SAB/TNW/RJR/gt

Enclosure

cc: B. S. Mallett

NRC Region IV Regional Administrator

M.T. Markley

NRC NRR Project Manager

G. G. Warnick

NRC Senior Resident Inspector for PVNGS

A047

PALO VERDE NUCLEAR GENERATING STATION **UNIT 2 INSERVICE INSPECTION REPORT** THIRTEENTH REFUELING OUTAGE

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

PREPARED BY:	4	10Besta		
		///	;	

REVIEWED BY: (All except B15.XX and C7.XX P

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APPROVED BY:

COMMERCIAL SERVICE DATE: 09/19/1986

REPORT DATE:

02/01/2007

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UNIT 2 INSERVICE INSPECTION REPORT

1. Introduction

This report is a summary of the Inservice Inspection (ISI) examinations performed during the Thirteenth refueling outage at the Palo Verde Nuclear Generating Station (PVNGS) Unit 2. This report also includes all applicable examinations conducted since the last refueling outage. This was the second refueling for Interval 2, Period 3, which was conducted from September 30, 2006 through November 14, 2006. 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 summarize 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 the ISI examinations performed during the Second Interval through November 14, 2006. All of the examination report numbers listed in Appendix "A" for the Thirteenth refueling and examinations performed since the last Summary Report are in bold print.

2. Examination Summary

The evaluation of the results from the ISI examinations indicated the integrity of the systems has been maintained. All discrepancies were corrected or determined "use-as-is" in accordance with PVNGS work control practices and ASME Section XI.

Visual examination of 2SG036H011 (ASME Class 2 Item F1.20 Zone 44) identified that the load coupling assembly failed. The apparent cause of the failure was high cycle fatigue. Work order 2912408 issued to replace the damaged washer and load yoke. CRDR 2935286 initiated to evaluate this condition and actions were added to CRDR 2786278 to determine the root cause.

Documentation of non-rejectable indications detected during examination performance is maintained on file.

The EPRI methodology for Risk Informed ISI & BER were applied for Category AHE, B-F, B-J, C-F-1 and C-F-2 examinations during the third period. This included the exclusion of surface examinations for the applicable pipe welds. Relief Request # 32 for Risk Informed ISI has been submitted and approved by the NRC.

3. 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:

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

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. Accessibility

All items were examined to the extent practical. Code limitations encountered during the examination that exceed the criteria of code case N490 are documented in Appendix B.

5. Personnel

All nondestructive examinations were performed by Arizona Public Service Co. (APS), Lambert, MacGill, Thomas, Inc. (LMT), or TEAM Industrial. 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. Hartford Steam Boiler Inspection and Insurance Company of Connecticut provided the Authorized Nuclear Inservice Inspector (ANII).

6. Equipment and Materials

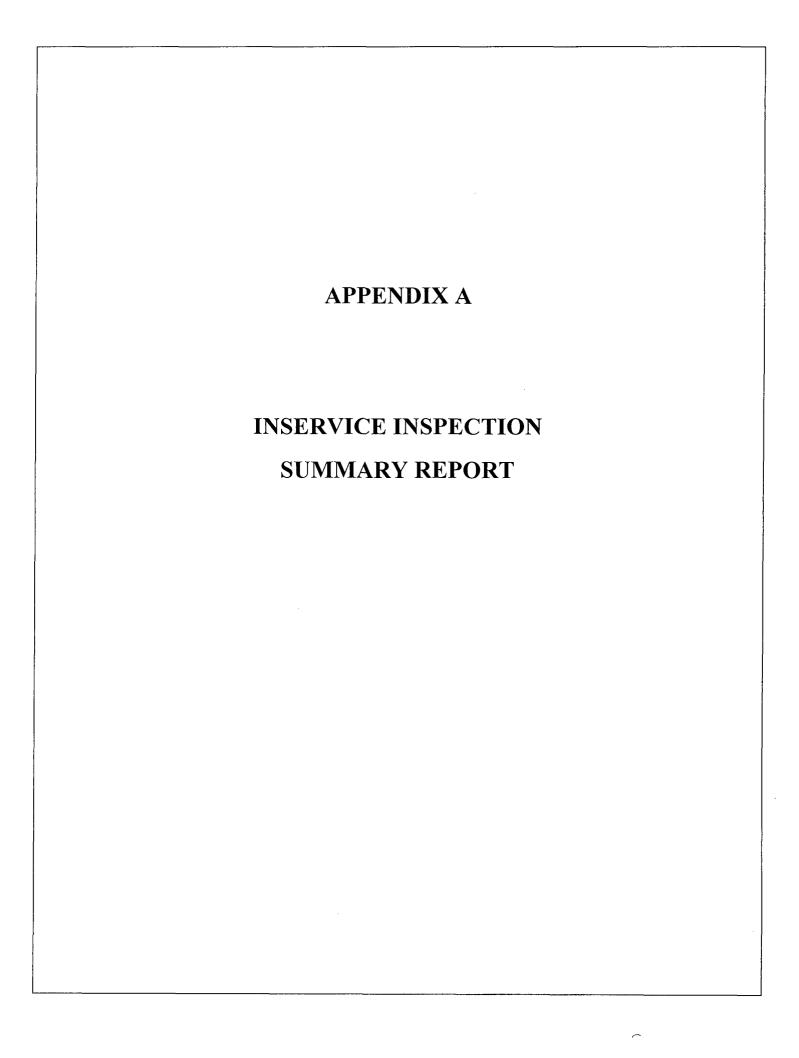
The equipment and materials utilized were certified to the requirements of ASME Section XI. Copies of all certifications are maintained on file.

7. Repairs and Replacements

One partial replacement was performed because of examinations performed by ISI during U2R13. The examination was in response to prior similar failures on similar supports. The failed items were replaced and additional items examined. The replacement was as follows and is further addressed in Section 2 of the Summary.

<u>ZONE</u>	WO / CRDR	ITEM SUMMARY #	DISCREPANCY
43	2912408 / 2935286	2-043-SG-036-H011	Damaged washer and load yoke replaced

The applicable records and reports for the specific maintenance repair or replacements performed 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.



APPENDIX A

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

C - ASME Class 2 systems

F - ASME Class 1 and 2 supports

Zone No - Area designation per PVNGS design

Comp/Sys - Component or system description

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

Acc - Accessible

ADV - Atmospheric Dump Valve

Aux - Auxiliary

Atmos - Atmospheric

CEDM - Control Element Drive Mechanism

Circ - Circumferential
Cont - Containment

CS - Containment Spray

CSP - Containment Spray Pump

FW - Feedwater

HPSI - High Pressure Safety Injection

HTRS - Heaters

ICI - In Core Instrumentation

IEB - Inspection and Enforcement Bulletin

Letdown HT Exch. - Letdown Heat Exchanger

LPSI - Low Pressure Safety Injection

MS - Main Steam

MT - Magnetic Particle Test

Press Bound - Pressure Boundary

PSE - Preservice Examination

PSV - Pressurizer Safety Valve

PZR - Pressurizer

RCP - Reactor Coolant Pump
RCS - Reactor Coolant System

Reg HT Exch. - Regenerative Heat Exchanger

SD - Shutdown

SG - Steam Generator

Snub - Snubber Reduction Program

Surf - Surface

UT - Ultrasonic Testing

Vis - Visual

Vol - Volumetric

ASME Item	Zone Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
	-						•	•	
	ASME Class 2 Augm					100.0040	Ioo 0004	T	
	47 MS SG1	One	12	12	47- 1	99-2342	99-2324		
& 5.52					47- 2 47- 4	99-2343 99-2438	99-2324 99-2202		
					47- 4	99-2439	99-2202		
					47-12	99-2439	99-2202		
					47-12	99-2441	99-2202		
					47-10	99-2442	99-2202	ļ	
					47-24	00-2476	00-2473		•
		 			47-25	99-2344	99-2202		
		 			47-28	99-2297	99-2284		
		 			47-29	99-2298	99-2284		
	 	\	 		47-30	99-2345	99-2202		
	50 MS (West) SG2	Three*	5	5	50-16	UT-05-039	33-2202		* RI-BER
	OS IVIO (VVCSI) OGZ	1	 	<u> </u>	50-10	UT-05-041			
		 	ļ		50-20	UT-05-041			+
		+			50-25	UT-05-042	-		
		 			50-28	UT-05-045	-		<u> </u>
	51 Atmos Dump	One	13	13	51- 1	99-2286	99-2285		
	SG1	One	'-	13	51- 2	99-2287	99-2082		
	1001	-	}		51-3	99-2288	99-2082		
		 			51- 4	99-2289	99-2082		
		<u> </u>			51- 5	99-2290	99-2082		
		 			51-6	99-2291	99-2082		
					51- 7	00-2209	00-2211		
		 			51- 8A	00-2210	00-2212		
		 	-		51- 8B	99-2292	99-2082	,	
					51- 9	99-2293	99-2082		
					51-40	99-2294	99-2082		
	· · · · · · · · · · · · · · · · · · ·	1			51-85	99-2295	99-2285		
		 			51-86	99-2296	99-2285		
		Two	14	14	51-26		MT-03-112		
		1			51-27		MT-03-113		
					51-28	UT-03-144	•		
		1			51-29		MT-03-120		
					51-30		MT-03-114		+
					51-31		MT-03-115		
		<u> </u>			51-32		MT-03-097		
		1			51-33	<u> </u>	MT-03-094		
		 			51-34		MT-03-090		
		1			51-37		MT-03-074		
		<u> </u>			51-39		MT-03-111	<u> </u>	<u> </u>
		1			51-87		MT-03-075		
		†	<u> </u>		51-88		MT-03-086		
		1			51-89	UT-03-156	MT-03-088		
	53 Steam to	One	10		53-11	99-2299	99-2083		
	Aux FW	1			53-12	99-2300	99-2083		
		1			53-13	99-2301	99-2154		PSE
	 	1			53-14	99-2302	99-2083		
		1			53-15	99-2303	99-2083		
		<u> </u>			53-21	99-2304	99-2083		
		1			53-22	99-2305	99-2083		

ASME Item	Zone Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
110111		+ ' -	1104	Comp	53-23	99-2306	99-2083		
		 		· · · · · · · · · · · · · · · · · · ·	53-24	99-2307	99-2154		PSE
		 	 		53-25	99-2308	99-2083		
		Two	9	9	53- 2		MT-02-012		
					53- 4		MT-02-016		
	,				53- 5		MT-02-011		
		1			53- 6	UT-02-096	MT-02-017		
		1	-		53- 7		MT-02-010		
		- 			53- 8	UT-02-098	MT-02-009		
		1			53- 9	UT-02-099	MT-02-014		
					53-1	UT-02-092	MT-02-013		
		į					MT-03-070		
					53-10		MT-02-008		
	56 FW SG1	One	6	6	56- 1	00-2432	00-2425		
			l		56- 4	00-2433	00-2425		
					56- 6	00-2477	00-2425		
					56- 7	00-2478	00-2425		
					56- 9	00-2479	00-2425		
					56-11	00-2480	00-2425		
	57 FW SG2	Three*	2	2	57-1	UT-05-046			* RI-BER
					57-4	UT-05-047			
	60 Dwncmr FW	One	9	9	60- 7	99-2525	99-2477		
	SG1				60- 8	00-2192	00-2083		
• •					60- 9	00-2193	00-2083		
						00-2194			
					60-11	00-2195 00-2196	00-2083		
,		 			60-12	00-2190	00-2083		-
					00 12	00-2198	00 2000		
					60-14	99-2526	99-2477		
						00-2199			
						00-2200			
					60-15	99-2527	99-2477		
					60-16	99-2528	99-2477		
					60-17	99-2529	99-2477		
		Two	5	5	60- 2	UT-03-177			
					60- 3	UT-03-178			
		ļ			60- 4	UT-03-179			
		ļ	<u></u>		60- 5	UT-03-181			***
	64 5	T- *		-	60- 6	UT-03-182			- DI DED
	61 Dwncmr FW	Three*	4	4	61-14	UT-05-048			* RI-BER
	SG2	 			61-15	UT-05-049	1		
		1			61-16		MT-05-010		
	GE Plantania CO1	L	10	10	61-17		MT-05-011		
	66 Blowdown SG1	One	10	10	66- 1	99-2427	99-2478		
		-			66- 2	99-2428	99-2318		
		 			66- 3	99-2429	99-2318		
		-			66- 4 66- 5	99-2430	99-2318		
		+			66-5	99-2431	99-2318		
					66- 7	99-2432	99-2318		
		 			66- 8 66- 0	99-2433	99-2318		
-		 			66- 9	99-2434	99-2318		
					66-25 66-28	99-2479 99-2435	99-2478 99-2318		
					Inn-78	144 77Kh	144-231X I		

ASME Item	Zone Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
		<u> </u>	7.54		66-11	UT-03-112	MT-03-103		
	<u> </u>	<u> </u>			66-12		MT-03-104		
		 	····		66-13		MT-03-110		
		<u> </u>			66-14	.1	MT-03-098		
		1	 		66-15	1	MT-03-099		
	67 Blowdown SG2	Two	6	6	67- 7		MT-03-101		
<u></u>			ļ <u>.</u>		67- 8	1 .	MT-03-105		
					67- 9	1	MT-03-106		
		ļ		<u> </u>	67-10		MT-03-107	-	
		 			67-11	UT-03-102	MT-03-108		
					67-12	UT-03-101	MT-03-109	 	
AHF 5.61	51 Atmos Dump	Two	20	20	51-65	UT-03-141	MT-03-076		
71112 0.01	SG1	1 ***			51-66		MT-03-073		
					51-67		MT-03-083		
		-			51-68	UT-03-169	1		
		 			51-69	UT-03-170	1		
					51-70	<u> </u>	MT-03-087		
		-	-		51-71	UT-03-172	1		
					51-72		MT-03-091		
					51-72	UT-03-176			
					51-74		MT-03-092		
	<u> </u>	1			51-74	UT-03-174	1		
			ļ		51-75		MT-03-095		
		.	ļ		51-76		MT-03-096		
					51-77		MT-03-072		
							1		
					51-79		MT-03-069		
					51-80	UT-03-163	MT-03-078		
					51-81	UT-03-164	MT-03-079		
	<u></u>				51-82	UT-03-165	MT-03-080	ļ	
					51-83	UT-03-166	MT-03-081		
ALIE 5 04					51-84	UT-03-167	MT-03-082		
	47 MS SG1	One	7	7	47- 3	99-2356	99-2202		
& 5.82		ļ			47- 7	99-2357	99-2202		· ·
		<u> </u>			47-11	99-2359	99-2202		
					47-15	99-2360	99-2202		
					47-19	99-2361	99-2202		
					47-23	99-2362	99-2202		
		<u> </u>			47-27	99-2358	99-2284		
	48 MS SG1	Two	8(1)	8(1)	48- 3		MT-03-063	ļ	
					48- 7		MT-03-066		
					48-11		MT-03-062		
					48-15		MT-03-064		
					48-19		MT-03-065		
					48-23	UT-03-134	MT-03-116		
					48-27		MT-03-068		
					48-34	UT-03-183	MT-03-067		
					48-35	UT-03-132	MT-03-077		
	50 MS (West) SG 2	Three*	3	3	50-15	UT-05-038			* RI-BER
			:		50-19	UT-05-040			-
					50-27	UT-05-044			

ASME	Zone Comp/Sys	Insp	Amt	Amt	Item ID	Vol	Reports	Visual	Remarks
Item	1	Per	Req	Comp	<u> </u>		Surf		<u> </u>
D 4 00	ASME Class 1	1 0	1 4	1	2-4	99-2386	99-2390	<u> </u>	RR 14
B 1.22	2 Closure Head	One	'	,	2-4	99-2387 99-2388 99-2389	99-2390	I	
B 1.30	1 Reactor Vessel	One	50%	50%	1-14	*	 		Exam 0 to 180 deg
B 1.40	2 Closure Head	One	33%	33%	l	99-2382	99-2390		Exam 0 to 120 deg
D 1.40	2 Glosure Flead		3370	00 %		99-2383 99-2384 99-2385	00 2000		ZAMIN o to 120 dog
		Two	33%	33%	2-1	UT-02-076	MT-03-145		Exam 120° to 240°
,		Three	34%	34%	2-1	UT-06-084	MT-06-022		240 thru 360 deg, CC N-460
B 2.11 & 2.12	5 PZR	One	66%	66%	5-2	99-2276 99-2277 99-2278 99-2279	99-2193		Exam 0 to 240 deg
					5-3	99-2276 99-2277 99-2278 99-2279	99-2193		1' long seam for 5-2
		Two	66%	66%	5-8	UT-02-025			Exam 0° - 240° (0' - 19' 5")
					5-6	UT-02-030 UT-02-032 UT-02-035 UT-02-038			1' of long seam
-		Three	34%	34%	5-2	UT-06-089			240 thru 360 deg
			34%	34%	5-8	UT-06-090			240 thru 360 deg, CC N-460
B 2.31 & 2.32	3 SG1	One	33%	33%	3- 5	99-2227 99-2228 99-2229 99-2230			Exam 0 - 120 deg
			2	2	3- 3	99-2251 99-2252 99-2253 99-2254			
					3-10	99-2247 99-2248 99-2249 99-2250			
					3-11	99-2227 99-2232 99-2233 99-2234			,
		Two	1	1	3-105	UT-03-040			PSE
	4 SG2	Two	0	0	4-105	UT-03-041			PSE
B 2.40	3 SG1	One	50%	50%	3- 6	99-2231 99-2232 99-2233 99-2234			Exam 0 - 180 deg
		Two	0	0	3-106	UT-03-042			PSE
					3-107	UT-03-193 UT-03-043			PSE PSE
	4 SG2	Two	50%	50%	4-106	UT-03-044			PSE
					4-107	UT-03-045 UT-03-194			PSE PSE
		Three	1	1	4-106	UT-06-087			Stay Cylinder
B 3. 90	1 Reactor Vessel	One	2	2	1-15	*			*Seperate Wesdyne report Exam completed in 2R7
					1-18	*			

ASME Item	Zone Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
B 3.100	1 Reactor Vessel	One	2		1-15	*			
		1			1-18	*			
B 3.110	5 PZR	One	2	2	5- 9	00-2379 00-2380 00-2381 00-2382			
					5-11	00-2341 00-2342 00-2343 00-2344			
		Two	2	2	5-10	UT-02-036 UT-02-039 UT-02-033 UT-02-027			Limited UT exam
					5-13	UT-02-031 UT-02-034 UT-02-040 UT-02-037			Limited UT exam
		Three	2	2	5-12	UT-06-091			CC N-460
					5-14	UT-06-092			CC N-460
B 3.120	5 PZR	One	2	2	5- 9	00-2386 00-2387			
					5-11	00-2353 00-2357			
		Two	2	2	5-10	UT-02-067			Inner radius
					5-13	UT-02-066			Inner radius
		Three	2	2	5-12	UT-06-073			CC N-460
					5-14	UT-06-074			CC N-460
B 3.130	3 SG1	One	1		3- 9	99-2243 99-2244 99-2245 99-2246			
		Two	1	1	3-100	UT-03-046		ĺ	PSE
					3-101	UT-03-047			PSE
	1				3-102	UT-03-048		1	PSE
		Three	1	1	3-101	UT-06-085			
	4 SG2	One	1	1	4- 9	00-2516 00-2517 00-2518 00-2519			
		Two	1	1	4-100	UT-03-049			PSE .
		T			4-101	UT-03-050			PSE
					4-102	UT-03-051			PSE
		Three	1	1	4-101	UT-06-086			
B 3.140	3 SG1	One	1	1	3- 9	00-2521 00-2523			
		Two	1	1	3-100	UT-03-052			PSE
					3-101	UT-03-053			PSE
					3-102	UT-03-054			PSE
		Three	1	1	3-101	UT-06-071			
	4 SG2	One	1		4- 9	00-2522 00-2524		-	
		Two	1	1	4-100	UT-03-055			PSE
					4-101	UT-03-056			PSE
					4-102	UT-03-057			PSE
		Three	1		4-101	UT-06-072			
B 4.11	2 Closure Head	Two	0	0	Vent Nozzles			VT-03-864	NRC Order EA-03-009

ASME Item	Zone Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
		Three	0	0	Vent Nozzles		*	VT-05-493 VT-06-851	Aug. BMI (EA-03-009) * Separate Wesdyne report
B 4.12	2 Closure Head	One	8	8	CEDM-Nozzles			00-2569	
		Two	8	8	CEDM-Nozzles			VT-02-412 VT-03-859	All nozzles Exam each time.
		Three	9	. 9	CEDM-Nozzles	*	*	VT-05-491** VT-05-585 VT-06-851** VT-06-850	*Separate Wesdyne report ** Aug. BMI all (EA-03-009)
B 4.13	1 Reactor Vessel	One	5	5	Instru-Nozzles	i.		00-2569	
		Two	5	5	Instru-Nozzles			VT-02-410 VT-03-862	NRC Order EA-03-009, All nozzles Exam each time.
		Three	6	6	Instru-Nozzles			VT-05-490 VT-05-584 VT-05-589 VT-06-849 VT-06-850	+ Aug BMI all (BL 2003-002)
B 4.20	5 PZR	One	12	12	Heater-Nozzles			99-2522 00-2569	
		Two	12	12	Heater-Nozzles			VT-02-413 VT-03-858	PSE & Aug. All stdpipe & htr noz. CE IB 89-06
		Three	12	12	Heater-Nozzles			VT-05-494 VT-06-854	ISI & Aug. All stdpipe & htr noz. CE IB 89-06
B 5.40	20 PZR Surge	One	2	2	5-34	00-2426 00-2427 00-2428 00-2520	00-2111		
	31 PZR Safeties				5-29	00-2383 00-2384 00-2385 00-2429 00-2099	00-2089		
	29 PZR Spray	Two	2	2	5-33	RT-02-001	PT-02-030		
	31 PZR Safeties				5-31	UT-02-062 UT-02-064 UT-02-063 UT-02-061	PT-02-028		CC N-490
	20 PZR Surge	Three*	0	0	5-34	UT-05-024		VT-05-495 VT-06-900	Aug UT & BMI VT (IN 2004-11 & MRP-139) * RR#32
	29 PZR Spray				5-33	UT-05-033 RT-06-017		VT-05-505 VT-06-867	Aug Vol & BMI VT (IN 2004-11 & MRP-139)
	31 PZR Safeties				5-29	RT-05-004 UT-05-034		VT-05-506 VT-06-868	Aug UT & BMI VT (IN 2004-11 & MRP-139)
					5-30	RT-05-005 UT-05-035		VT-05-507 VT-06-935	Aug Vol & BMI VT (IN 2004-11 & MRP-139)
					5-31	UT-05-036 RT-05-006		VT-05-508 VT-06-936	Aug Vol & BMI VT (IN 2004-11 & MRP-139)
					5-32	RT-05-007 UT-05-037		VT-05-509 VT-06-869	Aug UT & BMI VT (IN 2004-11 & MRP-139)
B 6. 10	2 Closure Head	One	18	18	1 thru 18		99-2332	99-2333	
		Two	18	18	19 thru 36		MT-02-156	VT-03-815	
D 0 00	0.01	Three	18	18	37 thru 54	00.0000	MT-06-023	VT-06-1279	
B 6. 30	2 Closure Head	One Two	17 19	17 19	1 thru 17 18 thru 36	00-2296 UT-02-083	99-2335 MT-02-154 MT-02-155		
		Three	18	18	37 thru 54	UT-06-065	MT-06-024		
B 6.40	1 Reactor Vessel	Three	54	54	Stud Holes	UT-06-083	<u> </u>	1	
B 6. 50	2 Closure Head	One	18	18	1 thru 18			99-2334	

ASME Item	Zone Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
7,0111		Two	18	18	19 thru 36	+		VT-03-819	
		Three	18	18	37 thru 54	<u> </u>		VT-06-1280	
B 6.180	16 RCP 1A	One	5	5	1 thru 5	00-2394	ļ	99-2444	
					" " " "			00-2441	
		Two	5	5	6 thru 10	UT-03-089		VT-02-357	UT 6-10 + Aug VT all
								VT-03-542	(IEIN 80-27 & IEB 82-02)
		Three	6	6	11 thru 16	UT-05-001		VT-05-474	UT 11-16 + Aug VT all
	147 000 45	<u> </u>			40 6	00.0004		VT-06-1284	(IEIN 80-27 & IEB 82-02)
	17 RCP 1B	One	5	5	1 thru 5	00-2394		99-2447 00-2441	
	<u> </u>	Two	5	5	6 thru 10	UT-03-090		VT-02-361	UT 6-10 + Aug VT all
								VT-03-543	(IEIN 80-27 & IEB 82-02)
		Three	6	6	11 thru 16	UT-05-002		VT-05-476	UT 11-16 + Aug VT all
							ļ	VT-06-1287	(IEIN 80-27 & IEB 82-02)
	18 RCP 2A	One	5	5	1 thru 5	00-2394		99-2446 00-2441	
	<u> </u>	Two	5	5	6 thru 10	UT-03-092	 	VT-02-364	UT 6-10 + Aug VT all
		I WO	٦	"	o tilla 10	01-03-092		VT-02-504 VT-03-545	(IEIN 80-27 & IEB 82-02)
		Three	6	6	11 thru 16	UT-05-003	•	VT-05-478	UT 11-16 + Aug VT all
								VT-06-1290	(IEIN 80-27 & IEB 82-02)
	19 RCP 2B	One	5	5	1 thru 5	00-2394		99-2445	
						ļ. <u></u>		00-2441	
		Two	5	5	6 thru 10	UT-03-094	MT-02-022 Thru	VT-03-546	UT 6-10 + Aug VT all
	[[MT-02-037	[(IEIN 80-27 & IEB 82-02)
	· · · · · · · · · · · · · · · · · · ·	Three	6	6	11 thru 16	UT-05-004	02 007	VT-05-480	UT 11-16 + Aug VT all
								VT-06-1293	(IEIN 80-27 & IEB 82-02)
B 6.190	19 RCP 28	Interval	16	16	Flange	<u> </u>		VT-02-414	
B 6.200	16 RCP 1A	One	5	5	1 thru 5	1		99-2444	
	<u> </u>					l		00-2441	
		Two	5	5	6 thru 10			VT-02-358	Exam all, credit for 5
		<u> </u>						VT-02-359	
	12.000.45	Three	6	6	11 thru 16			VT-06-1285	
	17 RCP 1B	One	5	5	1 thru 5			99-2447 00-2441	
		Two	5	5	6 thru 10		ļ ·· · · · · · · · · · · · · · · · · ·	VT-02-360	Exam all, credit for 5
		'"					~	VT-02-363	Lxam an, creat for 5
		Three	6	6	11 thru 16			VT-06-1288	
	18 RCP 2A	One	5	5	1 thru 5			99-2446	
					<u></u>			00-2441	
		Two	5	5 ′	6 thru 10			VT-02-365	Exam all, credit for 5
		Thus	-		44 Ab 4C			VT-02-362	
	19 RCP 2B	Three One	6	6 5	11 thru 16			VT-06-1291 99-2445	
	I I NOF 20	One)) 	ງ ເພານ ວ 			00-2441	
		Two	5	5	6 thru 10			VT-02-245	Exam all, credit for 5
								VT-02-366	
								VT-02-367	
		Three	6		11 thru 16			VT-06-1294	140
B 7.20	5 PZR	One	20	20	20 studs			99-2260	
		Two	20	20	20 ot : do	1	MT 02 140	00-2249	Includes IEPOS2 02 supplement
		Iwo	_ ∠∪	20	20 studs		MT-02-148	01-2051 VT-02-262	Includes IEB082-02 supplemental examinations
		1						VT-02-202 VT-02-282	- CAGITITION OF THE CAGITICAL CONTROL OF THE C
	}					1		VT-03-799	1
*****		Three	20	20	20 studs			VT-05-473	IEB 82-02
								VT-06-1283	
B 7.30	3 SG1	One	40	40	40 studs			99-2258	
								00-2247	L

ASME Item	Zone Comp/Sys	Insp Per	Amt Req	Amt Comp		Vol	Reports Surf	Visual	Remarks
		Two	40	40	40 studs		MT-02-149 MT-02-150	VT-02-263 VT-02-266 VT-02-278 VT-02-279 VT-03-547	Includes IEB082-02 supplemental examinations nnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnn
		Three	40	40	40 studs			VT-05-471 VT-06-1702	IEB 82-02
	4 SG2	One	40	40	40 studs			99-2259 00-2248	
		Two	40	40	40 studs		MT-02-151 MT-02-152	VT-02-265	Includes IEB082-02 supplemental examinations
		Three	40	40	40 studs			VT-05-472 VT-06-1281	IEB 82-02
B 7.50	31 PZR Safeties	One	1	1	PSV-200			99-2261 99-2373 00-2250	
					PSV-201			99-2261 99-2373 00-2250	
					PSV-202			99-2261 99-2373 00-2250	
					PSV-203			99-2261 99-2373 00-2250	
		Two	1	1	PSV-200		MT-02-038 Thru MT-02-061	VT-02-108 Thru VT-02-131 VT-03-537	Includes IEB082-02 supplemental examinations
				-	PSV-201		MT-02-062 Thru MT-02-085	VT-02-132 Thru VT-02-155 VT-03-538	Includes IEB082-02 supplemental examinations
					PSV-202		MT-02-086 Thru MT-02-109	VT-02-156 Thru ·VT-02-179 VT-03-539	Includes IEB082-02 supplemental examinations
					PSV-203		MT-02-110 Thru MT-02-133	VT-02-180 Thru VT-02-203 VT-03-541	Includes IEB082-02 supplemental examinations
		Three	2	2	PSV-200			VT-05-576 VT-06-1304	Aug (IEB 82-002)
					PSV-201			VT-06-1305	+ Aug (IEB 82-02)
· · · · · · · · · · · · · · · · · · ·					PSV-202			VT-05-577 VT-06-1307	Aug (IEB 82-002)
				İ	PSV-203			VT-06-1308	+ Aug (IEB 82-02)
	37 Charging	One	1	1	V-435	1		99-2113	
B 7.60	16 RCP 1A	One	5	5	1 thru 5			99-2444 00-2441	
		Two	5	5	6 thru 10			VT-03-512	Exam 16
		Three	6	6	11 thru 16			VT-06-1286	+ Aug all
.,	17 RCP 1B	One	5	5	1 thru 5			99-2447 00-2441	
		Two	5	5	6 thru 10			VT-02-257 VT-03-544	
		Three	6	6	11 thru 16			VT-06-1289	+ Aug all

ASME Item	Zone Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
	18 RCP 2A	One	5	5	1 thru 5			99-2446 00-2441	
		Two	5	5	6 thru 10			VT-02-215 Thru VT-02-230 VT-03-514	Exam all, credit for 5
		Three	6	6	11 thru 16			VT-06-1292	+ Aug all
	19 RCP 2B	One	5	5	1 thru 5			99-2445 00-2441	
		Two	5	5	6 thru 10			02-2001 VT-02-258	
		Three	6	6	11 thru 16			VT-06-1295	+ Aug all
B 7.70	21 SD Cooling A	One	1	1	UV-653			99-2321	
		Three	1	1	UV-651			VT-06-1296	
	22 SD Cooling B	One	1	1	UV-654			00-2324	
		Two	1	1	UV-652	<u> </u>		VT-02-058	
	23 SI 1A	One	1	1	V-237			00-2567	
		Two	2	2	UV-634			VT-02-236	
					V-235			VT-02-237	
		Three	1	1	V-542			VT-06-1297	
	24 SI 1B	One	1	1	V-543			99-2069	
		Two	2	2	V-245			VT-02-270	
					V-644			VT-02-242	
		Three	1	1	V-247			VT-06-1298	
	25 SI 2A	One	1	1	V-540			99-2177	
		Two	1	1	V-217			VT-02-260	
		Three	2	2	V-215			VT-06-1299	
					UV-614			VT-06-1300	
	26 SI 2B	One	1	1	V-225			99-2091	
		Two	2	2	V-541			VT-02-320	
			<u> </u>		V-624			VT-02-321	
		Three	1	1	V-227		ļ	VT-06-1301	
	27 PZR Spray 1A	Two	1	1	V-100E			VT-02-371	
		Three	2	2	V-240			VT-06-1302	
				ļ	V-243			VT-06-1303	
	28 PZR Spray 1B	One	2	2	V-241			99-2181 99-2372	Reject
								00-2046	Re-exam
		<u> </u>			V-242			99-2182	Reject
							1	99-2372	Re-exam
			Ì		:			00-2046	
B 7.70		Two	1	1	V-100F			VT-02-368	
	31 PZR Safeties	One	1	1	PSV-200			99-2505 00-2435	
		Two	1	1	PSV-202			VT-03-540	
		Three	2	2	PSV-200			VT-06-1709	Aug
					PSV-201			VT-06-1306	
					PSV-202			VT-06-1710	Aug
					PSV-203			VT-06-1309	
	32 Drain 1A	One	2	2	V-234			99-2081	
					V-334			99-2081	
	33 Drain 1B	Two	2	2	V-235			VT-02-312	
					V-335			VT-02-311	
	34 Drain 2A	Two	2	2	V-233			VT-02-322	
					V-333			VT-02-323	
	35 Drain 2B	Three	2	2	V-232			VT-06-1310	

ASME Item	Zone Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
					V-332	1		VT-06-1311	
	36 Letdown	Three	2	2	V-515			VT-06-1312	-
		<u> </u>			V-516			VT-06-1313	
	37 Charging	One	1	1	PDV240			99-2346	
	38 Drain 1A	One	1	1	V-215			00-2097	
		Three	1	1	V-216			VT-06-1314	
	39 HPSI A	One	1	1	V-523			00-2085	
		Two	2	2	V-522			VT-02-314	
					V-957			VT-02-313	
	40 HPSI B	Two	1	1	V-532			VT-02-324	
		Three	2	2	V-533			VT-06-1701	
					V-958			VT-06-1316	
B 7.80	2 Closure Head	One	1	1	CEDM 92			00-2322	
					CEDM 96			00-2322	
		Three	1	1	CEDM 92			VT-06-1703	
					CEDM 96	1 .		VT-06-1265	
B 8.20	5 PZR	One	66%	66%	5-1	99-2394 99-2395 99-2396 99-2397	99-2193		Reject, Acceptable per MNCR 93-RC 2027
		Two	0	0	5-1	UT-02-056 UT-02-057 UT-02-058 UT-02-059	MT-02-018		Limited exam, Re-exam at 19 to 26 Rej - Acc per MNCR 93-RC-2027
		Three	34%	34%	5-1	UT-06-088	MT-06-025		240 thru 360 deg, Limited UT
B 8.30	3 SG1	One	33%	33%	3-1	99-2239 99-2240 99-2241 99-2242	99-2194		Exam 0 - 120 deg
		Two	33%	33%	3-104		MT-03-030		PSE ·
		Three	34%	34%	3-104		MT-06-048		ID & OD of Skirt
B 9.11	6 RCS Piping	One	7	7	1-27	*	00-2511		*Separate report by
& 9.12					1-30	*	00-2511		Wesdyne. Exams
					3-30	99-2215 99-2216 99-2217 99-2218	99-2548	·	
					4-30	99-2219 99-2220 99-2221 99-2222	99-2548		:
					6- 7	*	00-2511		completed in U2R7
					7- 7	*	00-2511		
					17-2	00-2332	00-2290		
		Two	6	6	6- 1	UT-03-189	MT-03-134		PSE
		1		<u> </u>	7- 1	UT-03-197	MT-03-144		PSE
		T			8-13	UT-03-146	MT-03-050		PSE
					8-16	UT-03-130	MT-03-059	1	PSE
		1			8-19	UT-03-200	MT-03-136	1	PSE
		1			10-13	UT-03-127	MT-03-052	i	PSE
		1			10-16	UT-03-129	MT-03-053		PSE
		1	-		10-19	UT-03-201	MT-03-138		PSE
					12-13	UT-03-104	MT-03-054		PSE
		1			12-16	UT-03-128	MT-03-055		PSE
							 	4	
					12-19	UT-03-196	MT-03-131		PSE

ASME Item	Zone Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
					14-16	UT-03-149	MT-03-058		PSE
					14-19	1	MT-03-135		PSE
					16-1	UT-02-120	MT-02-019		
					17-1	UT-02-116	MT-02-020		
					18-1	UT-02-121	MT-02-007		
					19-1	UT-02-079	MT-02-021	Ţ	
			ĺ		3-103	UT-03-187	MT-03-133		PSE
]		4-103	UT-03-188	MT-03-132		PSE
		Three*	7	7	1-28	UT-06-104			* RR #32
					1-29	UT-06-105			
		1			9-1	UT-06-109			
					10-16	UT-06-110			
					11-1	UT-06-111			
	-	1			11-7	UT-06-152		1	
		<u> </u>			13-7	UT-06-153			
		1			16-2	UT-06-112	1		
	20 PZR Surge	One	1	1	20-1	00-2201	00-2111	1	
		Three*	1	1	6-10	UT-05-025		VT-05-496 VT-06-859	Aug BMI VT (IN 2004-11) * RR #32
	21 SD Cooling A	One	3	3	6-11	00-2531 00-2532 00-2533 00-2535 00-2539	00-2112		
					21-18	00-2536 00-2537	00-2528		
					21-20	00-2534	00-2113	·	
					21-20	00-2534	00-2113		
		Two	2	2	21-14	UT-02-125	PT-02-059	†	
					21-15	UT-02-126	PT-02-060		
		Three*	1	1	6-11	UT-05-026		VT-05-497 VT-06-860	Aug BMI VT (IN 2004-11), CC N-460 * RR #32
		1			21-14	UT-06-113			Aug - Elbow & 1' each side
					21-15	UT-06-114			Aug - Elbow & 1' each side
					21-16	UT-06-115			Aug - Elbow & 1' each side
		<u> </u>			21-17	UT-06-116			Aug - Elbow & 1' each side
	22 SD Cooling B	One	2	2	22-11	00-2244 00-2245	00-2101		
					22-14	00-2246	00-2101		
		Two	3	3	7-9	UT-02-010 UT-02-011 UT-02-026	PT-02-017		
					22-1		PT-02-016		
					22-17	UT-02-052	PT-02-041		
		Three*	2	2	7-9	UT-05-027		VT-05-498 VT-06-861	Aug BMI VT (IN 2004-11), CC N-460 * RR #32
					22-6	UT-06-117			
	23 SI 1A	One	4	4	9-10	00-2234 00-2235 00-2236	00-2100		
		<u> </u>			23-1	00-2237 00-2238	00-2100	-	
		 			23-2	00-2239	00-2100	 	
					23-4	00-2240 00-2241	00-2100		
		Two	0(1)	0(1)	23-6	UT-02-090	PT-02-064		Limited UT exam, IN 97-19
			5(1)	3(1)		UT-02-091	. 1 32-004		2

ASME Item	Zone Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
		Three*	1	1	9-10	UT-05-069		VT-05-499 VT-06-862	Aug BMI VT (IN 04-11 & MRP-139) *RR #32
	24 SI 1B	Two	3(1)	3(1)	24-14	UT-02-045 UT-02-050	PT-02-037		Limited UT exam
					24-16	UT-02-046 UT-02-048	PT-02-038		Limited UT exam
•					24-19	UT-02-047 UT-02-051	PT-02-034		Limited UT exam
					24-6	UT-02-001 UT-02-003	PT-02-004		Limited UT exam, IN 97-19
		Three*	2	2	11-10	UT-05-028		VT-05-500 VT-06-863	Aug BMI VT (IN 04-11 & MRP-139) *RR #32
					24-1	UT-06-118		1	
	25 \$I 2A	One	2	2	25-26	99-2366	99-2078		
		<u> </u>			25-29	99-2365	00-2084		
		Two	2(1)	2(1)	13-10	UT-02-112 UT-02-119 UT-02-122		·	
					25-1	UT-02-109	PT-02-058		
					25-4	UT-02-110 UT-02-113	PT-02-072		Limited UT exam
					25-6	UT-02-111 UT-02-114	PT-02-052		Limited UT exam, IN 97-19
		Three*	1	1	13-10	UT-05-070		VT-05-501 VT-06-864	Aug BMI VT (IN 04-11 & MRP-139) *RR #32
	26 SI 2B	One	2	2	26-9	99-2367	99-2320		
					26-11	99-2368	99-2320		<u> </u>
		Two	1(1)	1(1)	26-17	UT-02-044 UT-02-049	PT-02-035		Limited UT exam
					26-6	UT-02-002 UT-02-004	PT-02-003		Limited UT exam, IN 97-19
		Three*	2	2	15-9	UT-05-029		VT-05-502 VT-06-865	Aug BMI VT (IN 04-11 & MRP-139) *RR #32
					26-1	UT-06-119			
	28 & 29 PZR Spray	One	2	2	29-10	00-2114 00-2116	00-2088		
					29-11	00-2115 00-2117	00-2088		
		Two	1	1	29-1	UT-02-068 UT-02-124	PT-02-026		
		Three*	0	0	29- 1	UT-05-057	PT-05-021		PSE *RR #32
					29- 2	UT-05-058	PT-05-022		PSE Limited UT 50% TEE
					29- 3	UT-05-059	PT-05-023		PSE Limited UT 50% TEE
					29- 4	UT-05-060	PT-05-024		PSE
					29- 5	UT-05-061	PT-05-026		PSE
					29-14	UT-05-062	PT-05-027		PSE
	31 PZR Safeties	One	1	1	31-1	00-2354	00-2089		
		Two	2	2	31-10	UT-02-029	PT-02-027		
					31-9	UT-02-028	PT-02-029		
		Three*	1	1	31-6	UT-06-122	T		* RR #32
	36 Letdown	Two	1	1	36-75	UT-02-106	PT-02-070		
9.21	27 PZR Spray 1A	One	4	4	9-11		00-2102		
8 9.22					27-42		00-2102		
					27-43		00-2102		
					27-44		00-2102		
		Two	3	3	27-10		PT-02-006		
	 	 			27-16		PT-02-008	1	1

ASME Item	Zone Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
		L			27-8		PT-02-007		
		Three*	2	2	9-11			VT-05-503 VT-06-1318	Aug BMI VT (IN 04-11 & MRP-139) *RR #32
		<u> </u>			27-21	UT-06-120			
	_				27-22	UT-06-121		1	
	28 PZR Spray 1B	One	4	4	28-31		99-2213		
					28-32	1	99-2213		
					28-39	1	99-2213		
		1			28-40		99-2213		
		Two	4	4	11-11		PT-02-040		
					28-11		PT-02-010	<u> </u>	
					28-20		PT-02-011		-
					28-9		PT-02-009		
		Three*	0	0	11-11	<u> </u>		VT-05-504	Aug BMI VT (IN 04-11
		İ				İ		VT-06-866	& MRP-139) *RR #32
	30 Aux PZR Spray	One	2(2)	2(2)	30-1	00-2525 00-2529	00-2527		88-08 letter
					30-2	00-2526 00-2530	00-2527		88-08 letter
					30-7		99-2076		
		1			30-13		99-2076		
	· · · · · · · · · · · · · · · · · · ·	Two	2	2	30-5		PT-02-074	Ì	
					30-6		PT-02-073	<u> </u>	
		Three*	0	0	30-1	UT-05-063	PT-05-028		PSE Limited UT 50% TEE
.,					30-2	UT-05-064	PT-05-029		PSE Limited UT 50% Valve
					30-7	1	PT-05-030	1	PSE, RR #32
	32 Drain 1A	One	3	3	8-18		99-2079		
		 			32-1	 	99-2079		
					32-2		99-2079		· · · · · · · · · · · · · · · · · · ·
		Three*	0	0	8-18	 		VT-05-510	Aug BMI VT (IN 04-11
	33 Drain 1B	Two	3	3	10-18		PT-02-051	VT-06-870	& MRP-139) *RR #32
	JOS DIAIII 1B	TWO			33-1		PT-02-031	<u> </u>	
		ļ			33-5		PT-02-048 PT-02-049	<u> </u>	
		Three*	0	0	10-18	ļ	P1-02-049	V/T 05 544	A DMINT (IN 04.44
		iniee	١	U	10-18			VT-05-511 VT-06-871	Aug BMI VT (IN 04-11 & MRP-139) *RR #32
	34 Drain 2A	Three*	0	0	12-18	<u> </u>		VT-05-512	Aug BMI VT (IN 04-11
				Ů	.2 ,0	1	İ	VT-06-872	& MRP-139) *RR #32
	36 Letdown	One	4	4	36-8	· ·	99-2191		
					36-9		99-2191		
					36-28		99-2180	1	
					36-35		99-2180	<u> </u>	
		Two	6	6	36-25		PT-02-065	1	
					36-26	<u> </u>	PT-02-066		
				-	36-43		PT-02-067	1	
		†			36-44		PT-02-068		
					36-45		PT-02-069	† 	
					36-80	1	PT-02-071		
		Three*	4	4	14-18			VT-05-513	Aug BMI VT (IN 04-11
					36-2	UT-06-123		VT-06-873	& MRP-139) *RR #32
•					36-3	UT-06-149			
					36-63	UT-06-124			
					36-64	UT-06-125		<u> </u>	
	37 Charging	One	5	5	37-41	1	99-2347	 	

ASME Item	Zone Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
					37-42		99-2347		
					37-43		99-2347		
					37-45		99-2347		
		1			37-47		99-2347		
		Two	7	7	13-11		PT-03-015		
			<u> </u>		37-28		PT-03-014		
		 			37-29		PT-02-053		
	 	 			37-30		PT-02-054		
	<u> </u>	 			37-32		PT-02-055		
		+			37-33		PT-02-056		
		+			37-34		PT-02-057		
		Three*	3	3	13-11			VT-05-514	Aug BMI VT (IN 04-11
		1,,,,,		Ĭ	10-11			VT-06-876	& MRP-139) *RR #32
		+			37-12	UT-06-126			
					37-13	UT-06-127	1		
	-				37-24	UT-06-147	 		1
		<u> </u>			37-28	UT-06-128			
		 	 		37-29	UT-06-129			
					37-31	UT-06-148	 		
	38 Drain 1A	Two	1	1	38-1	3. 40 140	PT-02-062		
	39 HPSI A	One	2	2	39-1	<u> </u>	99-2080		+
	100111 017	- One			39-5		99-2080		+
		Two	3	3	39-12	UT-02-022	PT-02-013	ļ	
		IWO	3	3	39-12	UT-02-022	PT-02-013	<u> </u>	
							<u> </u>		
					39-24	UT-02-015 UT-02-016	PT-02-019		
	40 HPSI B	One	3	3	40-1	01-02-016	00-2103		
	40111-31-15	One	,	<u> </u>	40-2		00-2103		
		 			40-3	·	00-2103		
		Two		_		UT 02 040			
		TWO	2	2	40-6	UT-02-019	PT-02-012	ļ	
2001	0.000.0	<u> </u>			40-7	UT-02-020	PT-02-020		
B 9.31	6 RCS Piping	One	1	1	9-8	00-2330 00-2331	00-2289		
		Two	1	1	13-8	UT-02-118	MT-02-006	 	
		'WO	'	'	13-0	UT-02-118	1011-02-000		
		Three*	1	1	6-8	UT-06-108			* RR #32
B 9.32	6 RCS Piping	One	1	1	8-17		99-2068		
	10.1.00 / .pg	Two	1	1	13-9		MT-02-157		
	22 SD Cooling B	One	1	1	22-7A		00-2203	 	
B 9.40	30 Aux. Pzr Spray	Three*	0	-	30-14		PT-05-031	 	PSE, *RR #32
9.40	JOU MUX. FZI OPIAY	111168		-	30-14		PT-05-031		PSE, "RR #32
	32 Drain 1A	0		4			99-2079	<u> </u>	I SE
		One	1	1	32-6				
	33 Drain 1B	Two	1	1	33-6		PT-02-050		
	34 Drain 2A	Two	1	1	34-6		PT-02-061	ļ	
	38 Drain 1A	One	1	1	38-5		00-2098		
310.10	22 SD Cooling B	Three	1	1	SI-193-H023		PT-06-044	<u> </u>	8 Lugs
	26 SI 2B	Three	1	1	SI-179-H010		PT-06-045		<u> </u>
	36 Letdown	One	1	1	RC-091-H005		99-2180		
					RC-091-H006		99-2180		
		Two	1	1	RC-091-H006		PT-02-005		
312.10	19 RCP 2B	Three	1	1	19-3	UT-06-096			
		Three	1	1	19-4	UT-06-097			
B12.20	19 RCP 2B	Interval	1	1	RCP 2B casing			VT-02-072	
	21 SD Cooling A	Interval			l i	l	l	1	

ASME Item	Zone Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
	22 SD Cooling B				UV654	RT-06-012			CC N-460
	23 SI 1A				UV634	RT-06-013			CC N-460
	31 PZR Safeties				PSV-200	RT-06-018			
B12.50	21 SD Cooling A	Interval	5	4*	UV653			99-2321	* CRDR 2939273
	24 SI 1B	†			V-245		1	VT-03-698	
	25 SI 2A	<u> </u>			V-540	1		VT-03-773	
	31 PZR Safeties	 			PSV-200			VT-06-1340	
B13.10	1 Reactor Vessel	One	100%	100%	Access areas	<u> </u>		00-2556	· · · · · · · · · · · · · · · · · · ·
2.0	1	Two	100%		Access areas			VT-03-811	
		Three	100%		Access areas			VT-06-1317	Accessable areas
B14.10	2 Closure Head	One	2	2	CEDM-10-76	00-2329	00-2335		
	<u> </u>				CEDM-10-83	00-2329	00-2335	1	
		One	2	2	CEDM-9-76	00-2328	00-2335		
					CEDM-9-83	00-2328	00-2335		, , ,
		Two	2	2	CEDM-10-78	UT-02-088	PT-02-079	<u> </u>	1
	 				CEDM-10-88	UT-02-089	PT-02-081		
	 	Two	2	2	CEDM-9-78	UT-02-086	PT-02-078		
		 	<u> </u>		CEDM-9-88	UT-02-087	PT-02-080		
	1	Three	3	3	CEDM-10-72	UT-06-077	PT-06-050		Aug PT
	<u> </u>	7,	_		CEDM-10-81	UT-06-144	PT-06-051	 	Aug PT
	1				CEDM-10-89	UT-06-079	PT-06-052	 	Aug PT
	1	Three	3	3	CEDM-9-72	UT-06-080	PT-06-047		Aug PT
		111100	-		CEDM-9-81	UT-06-143	PT-06-048		Aug PT
					CEDM-9-89	UT-06-082	PT-06-049		Aug PT
B15.10	2 Closure Head	Two	0	0	Head	01-00-082	F1-00-043	VT-03-863	NRC Order EA-03-009
B13.10	2 Closule Fleau	Three	0	0	Head			VT-05-603 VT-05-492 VT-06-851	NRC Order EA-03-009
B15.10 Thru 15.70	RCS Piping	One	ALL	ALL	PressBound			*	* RR# 11 & 12 99-2410, 99-2522, 00-2001, 00-2042, 00-2043, 00-2047, 00-2077, 00-2191, 00-2150, 00-2213, 00-2262, 00-2512, 00-2564, 00-2569, 00-2573, 01-2001
		Two	ALL	ALL	PressBound			*	* RR# 11 & 12 VT-02-409, VT-03-501, VT-03-502, VT-03-813, VT-03-814, VT-03-856, VT-03-860, VT-03-869, VT-03-870, VT-03-875
		Three	All	***	PressBound			*	* RR# 11 & 12 ** Aug BMI (IN 2004-11) VT-05-586, VT-06-784, VT-06-850, VT-06-669, VT-06-793, VT-06-795, VT-06-855**, VT-06-856**, VT-06-857**, VT-06-858** *** Remainder scheduled
F 1.10	20 PZR Surge	One	2	2	RC-028-H001			99-2151	
					RC-028-H002			99-2152	
		Two	2	2	RC-028-H842			VT-03-494	
					RC-028-H844			VT-03-495	
		Three	3	3	RC-028-H003			VT-06-901	RR #4
					RC-028-H004	<u> </u>	 	VT-06-902	RR #4
		<u> </u>			RC-028-H843		}	VT-06-903	RR #4
	21 SD Cooling A	′ One	7	7	RC-051-H001	 	 	00-2118	support deleted
	+	 			RC-051-H002	†	 	00-2119	

ASME Item	Zone Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
					RC-051-H003			00-2120	
					RC-051-H821			00-2121	
					SI-240-H010			99-2337	
		1			SI-240-H011			99-2338	
		1			SI-240-H013			99-2339	
		Two	7	7	RC-051-H004			VT-02-038	Deleted
					RC-051-H005			VT-02-037	
					SI-240-H002			VT-02-018	
		 			SI-240-H011			VT-03-788	PSE
					SI-240-H012			VT-02-017	
					SI-240-H822			VT-02-016	
	1	 		·	SI-240-H823			VT-02-039	
	<u></u>	 			SI-240-H824			VT-02-040	
		Three	8	8	SI-240-H001	11 118		VT-06-904	Snubber removed
			l •		SI-240-H003			VT-06-905	
		 			SI-240-H004			VT-06-906	
	 	+			SI-240-H004 SI-240-H005			VT-06-907	
		-						VT-06-907	Snubber removed
		-			SI-240-H006				Shubber removed
		ļ			SI-240-H007			VT-06-909	
		ļ			SI-240-H008			VT-06-910	
		ļ <u>.</u>			SI-240-H009			VT-06-911	
	22 SD Cooling B	One	4	4	RC-068-H005			00-2104	
					RC-068-H006			00-2105	support deleted
					SI-193-H017			00-2106	
					SI-193-H019			00-2107	support deleted
		Two	4	4	SI-193-H008			VT-02-012	
,					SI-193-H009			VT-02-014	
		1			SI-193-H020			VT-02-015	
		1			SI-193-H025			VT-02-013	
		Three	4	4	RC-068-H001			VT-06-912	
		1			RC-068-H003	=1 10		VT-06-913	
		†			RC-068-H004			VT-06-914	
					SI-193-H023		·	VT-06-915	RR #4
	23 SI 1A	One	2	2	SI-207-H003			00-2086	1
				<u>-</u>	SI-207-H005			00-2087	support deleted
		Two	2	2	SI-207-H007			VT-02-243	oupport deleted
		1000			01-207-11007			VT-02-244	
		 			SI-207-H011			VT-02-235	
		Three	1	1	SI-207-H001			VT-06-916	
	24 SI 1B	One	2		SI-223-H003		<u> </u>	99-2117	
	23 01 15	10116			SI-223-H004			99-2523	support deleted
		Two	2	2	SI-223-H004 SI-223-H001			VT-02-241	- Capport deleted
		1,440			SI-223-H001 SI-223-H002			VT-02-241	
		Three	1	1	SI-223-H002 SI-223-H008		ļ	VT-02-240	
	25 \$1.24	1	2	2	SI-223-H008 SI-156-H007		1	99-2094	support deleted
	25 SI 2A	One							support deleted
		 _ _ _	<u> </u>		SI-156-H009			99-2099	
		Two	1	1	SI-160-H001		ļ	VT-02-238	
		Three	1	1	SI-160-H004			VT-06-918	
	26 SI 2B	One	2	2	SI-179-H009			99-2524	support deleted
					SI-179-H011			99-2171	
		Two	. 3	3	SI-175-H021			VT-02-315	
	,				SI-175-H022			VT-02-317	
					SI-175-H023			VT-03-534	
	1	Three	2	2	SI-179-H008			VT-06-919	1

ASME Item	Zone Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
					SI-179-H010			VT-06-920	Removed
	27 PZR Spray 1A	One	9	9	RC-062-H026			99-2153	
					RC-062-H027			99-2203	
					RC-062-H028			99-2155	
					RC-062-H029			99-2156	support deleted
					RC-062-H030			99-2157	
		İ			RC-062-H031			99-2158	support deleted
		·	:		RC-062-H032			99-2159	
					RC-062-H033			99-2504	
					RC-062-H034			99-2160	support deleted
		Two	8	8	RC-016-H005			VT-02-344	
					RC-016-H006		I	VT-02-345	
					RC-016-H007			VT-02-346	
					RC-016-H015			VT-02-347	
					RC-062-H035			VT-02-348	
					RC-062-H036			VT-02-349	
• • • • • • • • • • • • • • • • • • • •					RC-062-H037			VT-02-350	
		1			RC-062-H038			VT-02-351	
		Three	4	4	RC-062-H021			VT-06-921	RR #4
•					RC-062-H023			VT-06-922	RR #4
					RC-062-H024			VT-06-923	RR #4
		<u> </u>			RC-062-H039			VT-06-924	RR #4
	28 PZR Spray 1B	One	8	8	RC-017-H024			99-2144	
		1			RC-017-H034			99-2145	
		<u> </u>			RC-017-H036			99-2146	
		1			RC-017-H038			99-2147	
		<u> </u>			RC-017-H039			99-2148	support deleted
					RC-017-H040			99-2149	
 		<u></u>			RC-017-H041			99-2150	support deleted
					RC-017-H042			99-2503	
		Two	8	8	RC-017-H043			VT-02-379	
		 			RC-017-H044			VT-02-381	
	 				RC-017-H045			VT-02-380	
	<u> </u>	 			RC-017-H046			VT-02-382	
					RC-018-H009			VT-02-383	
		1			RC-018-H010			VT-02-384	
		<u> </u>			RC-018-H011			VT-02-385	
	+				RC-018-H012		 	VT-02-378	
		Three	8	. 8	RC-017-H026			VT-06-925	
•		111100			RC-017-H029		 	VT-06-926	RR #4
	<u> </u>	 		<u> </u>	RC-017-H029			VT-06-927	RR #4
	<u> </u>	+			RC-017-H030			VT-06-928	
	+	+			RC-017-H031		-	VT-06-929	RR #4
	+				RC-017-H032			VT-06-929	RR #4
		1			RC-017-H033			VT-06-930 VT-06-931	RR #4
					RC-017-H047 RC-017-H048			VT-06-931	RR #4
	29 PZR Spray	One	2	2	RC-017-H048 RC-018-H016			00-2090	1313 #4
	231 ZIX Opidy	Oile		۷.	RC-018-H018			00-2090	
		Torra	1	4				. II	
	20 A 272	Two		1	RC-018-H017		<u> </u>	VT-02-411 .	•
	30 Aux PZR	Three	2	2	CH-521-H00A			VT-06-933	1
	Spray	<u> </u>			CH-521-H00B			VT-06-934	
	32 Drain 1A	One	2	2	RC-060-H00A			99-2031	support deleted
					RC-060-H00B			99-2127	support deleted

ASME Item	Zone Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
	33 Drain 1B	Two	2	2	RC-058-H00A			VT-02-309	
					RC-058-H00B			VT-02-310	
	34 Drain 2A	Two	2	2	RC-096-H00A			VT-02-318	
					RC-096-H00B			VT-02-319	
	35 Drain 2B	Three	1	1	RC-089-H00E			VT-06-937	
	36 Letdown	One	9	9	RC-091-H001			99-2204	
					RC-091-H005			99-2197	
					RC-091-H006			99-2255	
					RC-091-H00B			99-2206	support deleted
		1			RC-091-H00D			99-2207	
			<u> </u>		RC-091-H00E			99-2199	support deleted
					RC-091-H00Y		4	99-2208	
		 		 	RC-091-H00Z			99-2205	
		 		<u> </u>	RC-091-H0AA			99-2209	
		1			RC-091-H0AK			99-2210	
		Two	10	10	RC-091-H002			VT-02-372	
		1,40		 	RC-091-H006		<u> </u>	VT-02-019	
		 			RC-091-H00P		 	VT-02-376	
-		 		-	RC-091-H00Q		<u> </u>	VT-02-377	
		<u> </u>	<u> </u>	<u> </u>	RC-091-H00R		_	VT-03-476	
		ļ			RC-091-H00R			VT-03-476	
		 						VT-03-498	
		<u> </u>	ļ		RC-091-H00T				
		ļ		ļ	RC-091-H0AJ		.	VT-02-373	
				<u> </u>	RC-091-H0AP			VT-02-374	
					RC-091-H0AQ			VT-02-375	
		Three	11	10	CH-001-H00A			VT-06-938	RR #4
					RC-091-H0AB		<u> </u>	VT-06-874	RR #4
]			RC-091-H0AC			VT-06-1342	RR #4
					RC-091-H0AD			VT-06-939	RR #4
					RC-091-H0AJ			VT-06-940	RR #4
					RC-091-H0AM			VT-06-941	RR #4
					RC-091-H0AN			VT-06-942	RR #4
					RC-091-H00F			VT-06-875	RR #4
					RC-091-H00U			VT-06-943	RR #4
					RC-091-H00V			VT-06-944	RR #4
		1			RC-091-H00W			VT-06-945	RR #4
	37 Charging	One	14	14	CH-005-H002			99-2376	support deleted
					CH-005-H003			99-2377	
					CH-005-H007			99-2378	Expansion
		<u> </u>		l	CH-005-H013			99-2379	Expansion
		†			CH-005-H025			99-2110	·
		<u> </u>		<u> </u>	CH-005-H026			99-2348	support deleted
			l		CH-005-H027			99-2349	
			ļ		CH-005-H028			99-2350	
		 		 	CH-005-H030			99-2351	
			ļ	<u> </u>	CH-005-H034		 	99-2352	
		 			CH-005-H035			99-2353	-
				 	CH-005-H036			99-2354	
				<u> </u>					Poinct
		-			CH-005-H042			99-2111 99-2506	Reject Re-exam
				İ				00-2076	The Grain
		1			CH-005-H043			99-2380	support deleted
		 			CH-005-H044			99-2381	
							ı	100 -001	1

ASME Item	Zone Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
		Two	9	9	CH-005-H013			VT-02-330	
					CH-005-H017			VT-02-332	
				-	CH-005-H018			VT-02-333	
					CH-005-H019	,		VT-02-329	
					CH-005-H020			VT-02-337	
								VT-02-339	
					CH-005-H021			VT-02-334	
		ļ			011.000			VT-02-338	
		<u> </u>			CH-005-H022			VT-02-335	
					CH-005-H032		ļ	VT-02-336	
		<u> </u>			CH-005-H037			VT-02-331	155.74
		Three	10	10	CH-005-H004		ļ	VT-06-946	RR #4
		ļ			CH-005-H007			VT-06-947	RR #4
					CH-005-H008			VT-06-948	RR #4
	<u></u>				CH-005-H009			VT-06-949	RR #4
					CH-005-H011			VT-06-950	
					CH-005-H012			VT-06-951	
					CH-005-H014			VT-06-952	
					CH-005-H033			VT-06-953	RR #4
					CH-005-H038			VT-06-954	
					CH-005-H039			VT-06-955	RR #4
	38 Drain 1A	Three	1	1	RC-070-H00B			VT-06-956	·
	39 HPSI A	One	4	4	SI-248-H026			99-2089	support deleted
					SI-248-H027			99-2088	
					SI-248-H028			99-2087	
		· · · · · ·			SI-248-H030			99-2092	
		Two	5	5	SI-248-H017			VT-02-304	
	<u> </u>				SI-248-H018		,	VT-02-305	*
	<u> </u>				SI-248-H019		<u> </u>	VT-02-307	
		<u> </u>			SI-248-H020			VT-02-308	
			<u> </u>		SI-248-H029	ļ		VT-02-306	
		Three	5	5	SI-248-H021			VT-06-957	<u> </u>
_		 		· · · · · ·	SI-248-H022			VT-06-958	
					SI-248-H023		 	VT-06-959	Snubber removed
					SI-248-H024			VT-06-960	
		 	 		SI-248-H025			VT-06-961	
	40 HPSI B	One	3	3	SI-199-H013		 	00-2108	
	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	+	_		SI-199-H014		 	00-2109	
		 			SI-199-H021		-	00-2110	support deleted
		Two	4	4	SI-199-H015			VT-02-326	
		1	<u>'</u>	'	SI-199-H016			VT-02-327	
<u> </u>	1	1			SI-199-H017			VT-02-328	
		 			SI-199-H018			VT-02-325	
		Three	2	2	SI-199-H022		-	VT-02-323	
· · · · · · · · · · · · · · · · · · ·		IIIIee	-		SI-199-H022 SI-199-H023			VT-06-962 VT-06-963	
F 1.40	1 RV	Thros	1	4			-	<u> </u>	
F 1.4U	1170	Three	4	4	1-40		ļ	VT-06-879	
		 		,	1-41		-	VT-06-880	
		1			1-42		ļ	VT-06-881	
	12.004	1			1-43	,		VT-06-882	
	3 SG1	One	1	1	3-40			99-2224	lpos
	1.000	Two	0	0	3-140			VT-03-817	PSE
	4 SG2	Two	1	1	4-140			VT-03-818	PSE
	5 PZR	One	0	0	5-40			99-2225	
	<u> </u>	Three	1	1	5-40		<u></u>	VT-06-883	RR# 4

ASME Item	Zone Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
	16 RCP 1A	One	2	2	16-17			99-2448	
		 	-		16-18	-		99-2449	
		Two	4	4	16-12			VT-02-355	· · · · · · · · · · · · · · · · · · ·
		1	·	<u> </u>	16-13	 		VT-02-388	
		 	├──		16-14			VT-02-389	
	<u> </u>	 			16-15	+	1	VT-02-390	
		Three	 	4	16-19			VT-06-884	
		Three	4	-		+		VT-06-885	
		<u> </u>			16-20				
		<u> </u>			16-21			VT-06-886	
	17.000.40	<u> </u>			16-22			VT-06-887	
	17 RCP 1B	One	2	2	17-17			99-2450	ļ
					17-18			99-2451	
		Two	4	4	17-12			VT-02-356	
			ļ		17-13			VT-02-391	
					17-14	<u> </u>		VT-02-392	
					17-15			VT-02-393	
		Three	4	4	17-19			VT-06-888	
					17-20			VT-06-889	
					17-21			VT-06-890	
		ļ			17-22			VT-06-891	
	18 RCP 2A	One	4	4	18-12			99-2452	·
		1			18-13			99-2453	
		1	<u> </u>		18-14			99-2454	
					18-15		†	99-2455	
		Two	2	2	18-17		-	VT-02-231	
		'**	-	-	10-17			VT-02-232	
					18-18			VT-02-233	
		<u> </u>						VT-02-234	
		Three	4	4	18-19			VT-06-892	
					18-20			VT-06-893	
					18-21			VT-06-894	
		1			18-22	Ţ		VT-06-895	
	19 RCP 2B	One	4	4	19-12			99-2456	
					19-13		-	99-2457	
		İ			19-14			99-2458	
		1			19-15			99-2459	,
		Two	2	2	19-17	†		VT-03-771	
			-		19-18			VT-03-772	
		Three	4	4	19-19			VT-06-896	
		+	H		19-20	 		VT-06-897	
		+	 		19-21	+	 	VT-06-898	
			 		19-22	 		VT-06-899	
FLYWHI	16 RCP 1A	One	4	4	Flywheel	00-2202	 	1	
LIVVIIL	17 RCP 1B	1		<u> </u>	Flywheel	00-2202	-	 	
	18 RCP 2A	 	<u> </u>	<u></u>	Flywheel	00-2164	+	 	
	19 RCP 2B	-			l	00-2254	1	 	
		1			Flywheel		ļ		
	16 RCP 1A	Two	4	4	Flywheel	UT-02-084		ļ	
	17 RCP 1B	_	<u> </u>		Flywheel	UT-02-085			
	18 RCP 2A	1			Flywheel	UT-02-082			
	19 RCP 2B	<u> </u>			Flywheel	UT-02-081			
	16 RCP 1A	Three	4	4	Flywheel	UT-06-093	VE-06-001		
	17 RCP 1B				Flywheel	UT-06-094	VE-06-002		
	18 RCP 2A				Flywheel	UT-06-095	VE-06-003		
	19 RCP 2B				Flywheel	UT-06-098	VE-06-004		1

ASME Item	Zone Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
	Class 2		•						
C 1.10	41 SG1	One	1 (50%)	1 (50%)	41-3	00-2292 00-2293 00-2294 00-2295			exam 180 - 360 deg
			1 (50%)	1 (50%)	41-4	00-2279 00-2280 00-2281 00-2282			exam 180 - 360 deg
		Two	0	0	41-106	UT-03-059			PSE
		1		-	41-105	UT-03-058			PSE
		Three	1	1	41-105	UT-06-101			0 thru 180 deg
					41-106	UT-06-102			0 thru 180 deg
	68 Regen HTEXCH	Three	3	3	68-3	UT-05-015			
					68-5	UT-05-017		-	
	1	<u> </u>			68-7	UT-05-019			
	69 Letdown	One	50%	50%	69-1	99-2436			exam 0 - 180 deg
	HTEXCH	Three	50%	50%	69-1	UT-05-022			180° - 360°
	84 SD Cooling A	Two	50%	50%	74-123	UT-03-107			1
	87 SD HTEXCH B	Three	50%	50%	75-78	UT-05-067			180° - 360°
C 1.20	41 SG1	One	1 (50%)	1 (50%)	41-5	00-2230 00-2231 00-2232 00-2233			exam 180 - 360 deg
	_	Two	0	0	41-107	UT-03-060			PSE
	-	Three	1	1	41-107	UT-06-103			0 thru 180 deg, CC N-460
	68 Regen HTEXCH	Three	2	2	68-4	UT-05-016			l and ice dog, con ice
					68-6	UT-05-018			
C 1.30	41 SG1	One	(50%)	1 (50%)	41-1	99-2235 99-2236 99-2237 99-2238			exam 0 - 180 deg
		Two	0	0	41-104	UT-03-061			PSE
	42 SG2	Two	1 (50%)	1 (50%)	42-104	UT-03-062			PSE
	68 Regen HTEXCH	Three	4	4	68-1	UT-05-013			
					68-2	UT-05-014			
		 			68-8	LIT OF OOO			
					100-0	UT-05-020			
					68-9	UT-05-020			
	69 Letdown	One	50%	50%	<u> </u>				180° - 360°
	69 Letdown HTEXCH	One Three	50% 50%	50% 50%	68-9	UT-05-021			180° - 360° 180° - 360°
					68-9 69-2	UT-05-021 99-2437			
	HTEXCH	Three	50%	50%	68-9 69-2 69-2	UT-05-021 99-2437 UT-05-023	. :		
	HTEXCH 84 SD Cooling A	Three Two	50% 50%	50% 50%	68-9 69-2 69-2 74-124	UT-05-021 99-2437 UT-05-023 UT-03-109 UT-05-068 00-2349	00-2336	·	180° - 360°
	HTEXCH 84 SD Cooling A 87 SD HTEXCH B	Three Two Three	50% 50% 50%	50% 50% 50%	68-9 69-2 69-2 74-124 75-79	UT-05-021 99-2437 UT-05-023 UT-03-109 UT-05-068 00-2349 00-2350 UT-03-063	00-2336 MT-03-031		180° - 360° 180° - 360°
	HTEXCH 84 SD Cooling A 87 SD HTEXCH B	Three Two Three One	50% 50% 50% 1	50% 50% 50% 1	68-9 69-2 69-2 74-124 75-79 41-16	UT-05-021 99-2437 UT-05-023 UT-03-109 UT-05-068 00-2349 00-2350 UT-03-063 UT-03-073 UT-03-064			180° - 360° 180° - 360° PSE Inner radius PSE
	HTEXCH 84 SD Cooling A 87 SD HTEXCH B	Three Two Three One	50% 50% 50% 1	50% 50% 50% 1	68-9 69-2 69-2 74-124 75-79 41-16 41-102	UT-05-021 99-2437 UT-05-023 UT-03-109 UT-05-068 00-2349 00-2350 UT-03-063 UT-03-073 UT-03-064 UT-03-074	MT-03-031 MT-03-032		180° - 360° 180° - 360° PSE Inner radius PSE Inner radius
	HTEXCH 84 SD Cooling A 87 SD HTEXCH B	Three Two Three One	50% 50% 50% 1	50% 50% 50% 1	68-9 69-2 69-2 74-124 75-79 41-16 41-102 41-103	UT-05-021 99-2437 UT-05-023 UT-03-109 UT-05-068 00-2349 00-2350 UT-03-063 UT-03-073 UT-03-064 UT-03-074 UT-03-065	MT-03-031 MT-03-032 MT-03-033		180° - 360° 180° - 360° PSE Inner radius PSE Inner radius PSE
C 2.21 & 2.22	HTEXCH 84 SD Cooling A 87 SD HTEXCH B	Three Two Three One	50% 50% 50% 1	50% 50% 50% 1	68-9 69-2 69-2 74-124 75-79 41-16 41-102	UT-05-021 99-2437 UT-05-023 UT-03-109 UT-05-068 00-2349 00-2350 UT-03-063 UT-03-073 UT-03-064 UT-03-074 UT-03-065	MT-03-031 MT-03-032		180° - 360° 180° - 360° PSE Inner radius PSE Inner radius

ASME Item	Zone Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
	42 SG2	One	1	1	42-16	00-2351 00-2352	00-2337		
***		Two	0	0	42-100	UT-03-067	MT-03-035		PSE
					42-101	UT-03-068	MT-03-036		PSE
			-		42-102	UT-03-069	MT-03-037		PSE
		İ				UT-03-075			Inner radius
					42-103	UT-03-070 UT-03-076	MT-03-038		PSE Inner radius
<u> </u>		<u> </u>			42-114	UT-03-071	MT-03-039 MT-03-041		PSE Inner radius RR # 8
		 	-	<u> </u>	42-115	UT-03-072	MT-03-041		PSE
					42-113	01-03-072	MT-03-040		Inner radius RR # 8
	84 SD Cooling A	Two	1	1	74-122	UT-03-100 UT-03-113	MT-03-117		Inner radius
	87 SD HTEXCH B	Three	1	1	75-76	UT-05-066 UT-05-009	MT-05-007		Inner radius
C 3.10	41 SG1	One	1	1	41-42		00-2176		270 deg
		Two	1	1	41-112	UT-03-077	MT-03-043		PSE
	<u> </u>		<u> </u>	 	41-113	UT-03-078	MT-03-044		PSE
	68 Regen HTEXCH	Three	2	2	68-10		PT-05-001		
		1		 	68-11		PT-05-002		
C 3.20	43 MS SG1	One	1	1	SG-036-H017		99-2325		
		Two	1	1	SG-036-H012		00-2175		
			1	1		<u> </u>	MT-02-142		
	44 140 004	Three	1	1	SG-036-H016		MT-06-034		
	44 MS SG1	Two	2	2	SG-033-H015	ļ	MT-02-141		
					SG-033-H016	<u> </u>	MT-02-143		
		Three	1	1	SG-033-H014		MT-06-035		
	45 MS SG2	One	1	1	SG-042-H014		99-2326		
		Two	1	1	SG-042-H012		MT-02-144		
		Three	3	3	SG-042-H015		MT-06-037		Removed
					SG-042-H016		MT-06-039		
					SG-042-H017		MT-06-040		
	46 MS SG2	Two	1	1	SG-045-H012	ļ	MT-02-153		
		Three	1	1	SG-045-H016		MT-06-041		
	54 FW SG1	One	0	0	SG-002-H001		99-2322		
		Three	1	1	SG-002-H001		MT-06-042		
	55 FW SG2	One	1	1	SG-005-H001		99-2323		
					SG-005-H009		00-2300 00-2311		
		Three	1	1	SG-005-H001		MT-06-043		
	62 Aux FW SG1	Two	1	1	AF-018-H001		PT-03-044		
	64 Blowdown	One	3	3	SG-039-H015		00-2078		
	SG1	5116			SG-039-H017		00-2078	<u> </u>	
	331	 			SG-053-H001		00-2073		support deleted
		Two	2	2	SG-039-H001		MT-02-004		Support deleted
	-	1 440			SG-059-H001 SG-053-H005	ļ	MT-02-004		
					00-000-11000		PT-02-003		
-,-,		Three	1	1	SG-039-H022		MT-06-044		7
					SG-053-H005	<u> </u>	MT-06-047		
	65 Blowdown	One	2	2	SG-048-H020		00-2080		· · · · · · · · · · · · · · · · · · ·
	SG2		-		SG-052-H001	1	00-2045		support deleted
		Two	3	3	SG-048-H014		MT-03-122		
					SG-048-H016	-	MT-03-122		
					SG-048-H026	-	MT-02-003		

ASME Item	Zone Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
	71 LPSI Discharge A	One	1	1	SI-087-H011		99-2200		
	76 CS Suction	One	1	1	SI-009-H004		99-2214		CC N-490
	77 CS Discharge A	Three	1	1	SI-079-H007		PT-05-003		
	80 CS Discharge B	Three	1	1	SI-119-H005		PT-05-004		
·	83 SD Cooling A	Two	2	2	SI-087-H004	-	PT-03-043		
					SI-090-H001		PT-03-045		
		Three	2	2	SI-070-H001		PT-05-008		
					SI-070-H006		PT-05-009		
 	86 SD Cooling B	Three	2	2	SI-072-H001		PT-05-010		
	,				SI-072-H012		PT-05-011		
	88 East Wrap	One	1	1	SI-072-H013		99-2398		
	89 East Wrap	One	1	1	SI-194-H014		99-2272		
	91 West Wrap	One	4	4	SI-070-H009	·	99-2178		
					SI-070-H011		99-2178		
					SI-070-H012		99-2178		
					SI-070-H016		99-2178		
	92 West Wrap	One	1	1	SI-241-H021		99-2179		
		Two	2	2	SI-239-H001		PT-03-026		
		1			SI-241-H016		PT-03-027		
	93 West Wrap	Two	1	1	SI-089-H013		PT-03-047		
	94 LPSI A	Two	2	2	SI-070-H005		PT-03-038		
					SI-070-H008		PT-03-039		
	95 LPSI B	Three	1	1	SI-194-H006		PT-05-014		CC N-460
	96 LPSI Loop 1A	Three	1	1	SI-202-H017		PT-06-053		CC N-460
	99 LPSI Loop 2B	Two	1	11	SI-174-H013		PT-02-046		
	100 LPSI A	One	1	1	SI-369-H001		99-2319		
	Suction	Two	1	1	84-5		PT-03-063		
	101 LPSI B Suction	Three	1	1	85-5		PT-05-015		
	102 SI Suction A	One	3	3	SI-307-H002		00-2305		
			<u> </u>		SI-307-H003		00-2378		
					SI-307-H015		00-2306		
	103 Refuel	Two	2	2	CH-142-H020		PT-02-024		
	Suction A				CH-424-H006		PT-03-052		
	104 SI Suction B	Two	1	1	SI-308-H003		PT-02-076		
	105 Refuel	Three	3	3	CH-149-H002		PT-05-016		
	Suction B				CH-149-H008		PT-05-017		
			 		CH-425-H006		PT-05-018		
	113 HPSI Discharge	One	1	1	SI-107-H022		00-2214		
mr H · Y	119 HPSI B Recirc	Three	1	1	SI-114-H022		PT-06-046		
C 3.30	72 LPSI Pump A	One	3	3	72-3A		99-2226		
					72-3B		99-2226		
					72-3C		99-2226		
	75 LPSI Pump B	Two	3	3	73-3A		PT-03-035		
	· · · · · · · · · · · · · · · · · · ·				73-3B		PT-03-036		
		 			73-3C		PT-03-037		
	78 CS Pump A	Two	3	3	80-3A		PT-03-023		
					80-3B		PT-03-024		
			 		80-3C		PT-03-025		
	81 CS Pump B	Three	3	3	81-3A		PT-05-005		
					81-3B		PT-05-006		
					81-3C		PT-05-007		
	116 HPSI A Pump	One	4	4	116-1A		00-2558		
	L. TO THE OTEN TO UNITE	, 0,,0					100 -000		

ASME Item	Zone Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
	<u> </u>	1.			116-1C		00-2558		
					116-1D		00-2558		
	117 HPSI Pump B	Two	4	4	117-1A		PT-03-017		
					117-1B		PT-03-022		
					117-1C		PT-03-021		
			ļ		117-1D		PT-03-020		
C4.30	117 HPSI Pump B	Three	16	16	Head Studs	UT-06-070			
C 4.40	47 MS SG1	One	20	20	UV-170	00-2393			
	48 MS SG1	One	20	20	UV-180	00-2393			
	49 MS (East) SG2	Three	20	20	UV-171	UT-05-005			Installed
	50 MS (West) SG2	Three	20	20	UV-181	UT-05-006			Installed
	56 FW SG1	Two	20	20	UV-132	UT-02-107			
			20	20	UV-174	UT-02-108			
	57 FW SG1	Three	20	20	UV-137	UT-05-007			Installed
			20	20	UV-177	UT-05-008			Installed
C 5.11	54 FW SG1	Two	1	1	54-1	RT-03-005	PT-03-056		PSE
& 5.12					54-15	RT-03-004	PT-03-057		PSE
					54-20	RT-03-003	PT-03-050		PSE
					54-6	RT-03-006	PT-03-051		PSE
	55 FW SG2	Two	0	0	55-1	RT-03-007	PT-03-058		PSE
					55-15	RT-03-009	PT-03-059		PSE
					55-20	RT-03-010	PT-03-049		PSE
					55-6	RT-03-008	PT-03-048		PSE
		Three*	4	4	55-16	UT-06-132			* RR #32
					55-17	UT-06-133			
					55-18	UT-06-134			
					55-19	UT-06-135			
	58 Aux & Dwncmr FW SG1	Two	1	1	58-1	RT-03-011	PT-03-060		PSE
	59 Aux & Dwncmr	Two	5	5	59-1	RT-03-012	PT-03-061		PSE
	FW SG2				59-16	UT-03-191	PT-03-054		PSE
					59-16-A	UT-03-190	PT-03-053		PSE
					59-16-C		PT-02-043		
						UT-03-192			PSE
					59-34	UT-02-080			
	ļ. <u></u>	Three*	0	0	59-13		PT-05-033		PSE, * RR #32
	62 Aux FW SG1	Three*	4	4	62- 6	UT-05-053			* RR #32
					62-12	UT-05-054			
					62- 5	UT-05-052			
					62-13	UT-05-055			
	63 Aux & FW	One	1	1	63-4	00-2273 00-2274	00-2039		
	70 & 73 LPSI	One	1	1	70-58	99-2314	99-2264		
	Suction A & B	Two	1	1	70-56	UT-02-054	PT-02-036		
	82 & 85 SD	One	2	2	72-50	99-2271	99-2126		
	Cooling A & B				73-49	00-2152	00-2153		
	83 & 86 SD	One	4	4	74-105	99-2269	99-2059		
	Cooling A & B				74-19	99-2270	99-2022		
					74-21	99-2265	99-2263		
					74-22	99-2266	99-2263		
	88 & 91 East	One	6	6	74-44	99-2184	99-2178		
	& West Wrap				76-2	99-2183	99-2178		
					76-21	00-2259	00-2224	· · · · · · · · · · · · · · · · · · ·	
	1	<u> </u>				00-2308	L		

ASME Item	Zone Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
					77-7	00-2326 00-2327	00-2225		
,					77-14	00-2260 00-2307 00-2325	00-2226		,
					78-16	99-2355	99-2313		
		Two	1	1	77-16	UT-03-116	PT-03-029		Limited UT Exam
					77-8	UT-03-115	PT-03-028		No Credit
	94 & 95 SI A & B	One	1	1	74-40	00-2392	00-2345		
		Two	2	2	74-37	UT-02-055	PT-02-033 PT-03-040		
	 				74-38	UT-03-120	PT-03-041		
		Three*	1	1	74-30	UT-05-056	1		* RR #32
	96, 97, 98, 99 LPSI	One	3	3	78-45	99-2363	99-2077		
	1A,1B, 2A & 2B	0110			78-47	99-2364	99-2077		
	111,10,210				79-23	00-2309	00-2255		
					1.0.20	00-2310	100 2200		
		Two	2	2	77-22	UT-02-103	PT-02-047		
					77-27	UT-02-104 UT-02-105	PT-02-045		
	100 & 101 LPSI Suction A & B	Two	- 2	2	70-121	UT-02-103 UT-02-127 UT-02-128	PT-02-063		
					84-3	UT-03-206	PT-03-062	-	Limited UT Exam
	102 SI Suction A	One	1	1	84-12	00-2355 00-2356	00-2340		
		Two	1	1	84-26	UT-02-053	PT-02-032 PT-03-042		
	103 Refuel Suction A	One	1	1	86-57	00-2430 00-2431	00-2346		
		Two	1	1	86-3	UT-02-024	PT-02-025		
	104 SI Suction B	One	1	1	85-46	00-2390 00-2391	00-2278		
		Two	1	1	85-31	UT-02-101	PT-02-077 PT-03-046		
	105 Refuel	One	1	1	87-23	00-2040	00-2048		
	Suction B	Two	1	1	87-37	UT-02-023	PT-02-023	<u></u>	
C 5.21 & 5.22	106 & 107 HPSI	One	4	4	106-1	00-2485 00-2487	00-2263		
& J.22					106-21	00-2481 00-2482	00-2264		
					107-11	00-2242 00-2243	00-2081		
					107-42	00-2514 00-2515	00-2082		
		Two	4	4	106-64	UT-03-124	PT-03-032		Limited UT Exam
					106-68	UT-03-125	PT-03-033		Limited UT Exam
					107-1		PT-03-018		Limited UT Exam
					107-22	UT-03-099	PT-03-019		
	108 & 109 HPSI	One	2	2	109-4	00-2489	00-2396		
					109-21	00-2486 00-2488	00-2395		
	110 & 111 HPSI	One	2	2	110-6	00-2291	00-2222		
					110-39	00-2333 00-2388	00-2223		
		Two	2	2	110-17	UT-03-122	PT-03-030		Limited UT Exam
,					110-52	UT-03-121	PT-03-031		Limited UT Exam
	112 & 113 HPSI	One	3	3	112-1	00-2165	00-2154		
					112-33	00-2166	00-2154		

ASME Item	Zone Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
		1			112-45	00-2167	00-2154		
	114 & 115 HPSI	One	1	1	115-13	00-2334 00-2389	00-2256		
	,	Two	1	1	115-20	UT-02-013 UT-02-014	PT-02-021		
	118 & 119 HPSI Recirc	Two	3	3	118-49	UT-02-017 UT-02-018	PT-02-018		
					119-52	UT-02-009 UT-02-012	PT-02-015		
					119-53	UT-03-123	PT-03-034		Limited UT Exam
C 5.30	106 & 107 HPSI	One	1	1	107-53		00-2092		
		Two	1	1	106-61		PT-02-031		
		Three*	0	0	107-65		PT-06-054		PSE, * RR #32
C 5.41 & 5.42	82 & 85 SD Cooling A & B	One	1	1	72-49A		99-2067	:	
	88 & 91 East & West Wrap	One	1	1	74-102		99-2178		
	96 - 99 LPSI 1A,1B, 2A & 2B	Two	1	1	76-79		PT-02-075		
C 5.51	43 MS SG1	One	1	1	43-2	99-2370	99-2312		
& 5.52	44 MS SG1	One	1	1	44-1	99-2369	99-2310		
		Two	2	2	44-5	UT-02-060	PT-02-140 MT-03-119	:	
					44-30	UT-02-043 UT-03-098	MT-02-015 MT-03-100		
	45 MS SG2	Two	0	0	45-2	UT-03-184	MT-03-128		
	46 MS SG2	One	1	1	46-25	99-2371	99-2311		
		Two	1	1	46-2	UT-03-185	MT-03-129		
	54 FW SG1	One	1	1	54-41	00-2434	00-2261		
		Two	1	1	54-100	UT-03-079	MT-03-045		PSE
					54-107	UT-03-080	MT-03-046		PSE
					54-11A	UT-02-042	MT-02-001	•	
	<u> </u>	Three*	2	2	54-36	UT-06-130			* RR #32
	155 514 605				54-37	UT-06-131			
	55 FW SG2	One	2	2	55-1	00-2074	00-2044		
			ļ		55-15	00-2075	00-2044		1005
		Two	1		55-100		MT-03-047		PSE
				<u> </u>	55-107	UT-03-082	MT-03-048		PSE
	58 Aux & Dwncmr	020	1/5)	1/5	55-26 41-39	UT-02-041 99-2393	MT-02-002 99-2198		() Identifies sugment Even
	FW SG1	One	1(5)	1(5)	58-1	99-2393	99-2198		() Identifies augment Exam (IEB 079-13 & SER 83-07)
	177331				58-12	99-2128	99-2023		(IEB 079-13 & 3ER 03-07)
			ļ		58-12	99-2129	99-2023		
					58-16	99-2130	99-2023		
		-			58-16A	99-2131	99-2023		
	 	Two	0(4)	0(4)	41-111	UT-03-083	MT-03-049		PSE
		 	-1.17	-(1)	58-12	UT-02-077	MT-02-146		
	 				58-13	UT-02-069	MT-02-134		
	<u> </u>		ļ		58-16	UT-02-070	MT-02-135		_
	 				58-16A	UT-02-071	MT-02-136		
	59 Aux &	One	0(5)	0(5)	59-1	99-2391	99-2192		
	Dwncmr FW SG2			<u> </u>	59-12	99-2132	99-2024		<u> </u>
					59-13	99-2133	99-2024		<u> </u>
					59-16	99-2134	99-2025		
					59-16A	99-2135	99-2024		
		Two	1(2)	1(2)	59-12		MT-02-147		

ASME Item	Zone Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
					59-13	UT-02-072	MT-02-137		
					59-16	UT-02-073	MT-02-138		
					59-16A	UT-02-074	MT-02-139		
_					59-25	UT-03-084	MT-03-060		
		Three*	2	2	59-23	UT-06-137			* RR #32
					59-24	UT-06-138			
	64 Blowdown SG1	One	1	1	64-30	00-2347	00-2338		
		Two	1	1	64-1	UT-03-202	MT-03-137	2.02	PSE
					64-30	UT-03-203	MT-03-139		PSE
					64-80	UT-03-195	MT-03-130		PSE
	65 Blowdown SG2	One	1	1	65-28	00-2348	00-2339		
		Two	1	1	65-1	UT-03-204	MT-03-140		PSE
					65-28	UT-03-205	MT-03-143		PSE
					65-52	UT-02-102	MT-02-145		
		Three*	4	4	65-41	UT-06-139			* RR #32
					65-42	UT-06-140			
					65-43	UT-06-141			
					65-44	UT-06-142		_	
C 6.10	116 & 117 HPSI	Interval	2	2	116-2	7	00-2557		
					117-1		PT-03-016		
C6.20	49 MS (East) SG2	Three	1	1	PSV-554	1	MT-05-005		
			_		PSV-556		MT-05-006		
	86 SD Cooling B	Three	1	1	V-464		PT-05-012		
	89 East Wrap	Three	1	1	UV-656		PT-05-013		
	106 HPSI A	Three	1	1	V-404		PT-05-019		CC N-460
	107 HPSI B	Three	1	1	V-478		PT-05-020		
C 7.10 thru 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, 00-2548, 00-2549, 00-2549, 00-2564, 00-2565, 00-2566, 00-2566, 00-2566, 00-2571, 00-2572, 00-2575, 01-2037, 01-2050, 01-2038, 01-2036, 01-2032, 01-2022, 01-2018, 01-2017, 01-2016, 01-2012, 01-2003, 01-2002, 01-2001

ASME	Zone Comp/Sys	Insp	Amt	Amt	Item ID	Vol	Reports	Visual	Remarks
Item		Per Two	Req all	Comp all	Press	-	Surf	*	* VT-02-409 VT-03-438
		Iwo	all	l all	Piess				VT-03-439 VT-03-440
									VT-03-443 VT-03-444
									VT-03-445 VT-03-447
									VT-03-462 VT-03-466
				*					VT-03-467 VT-03-468
									VT-03-499 VT-03-500 VT-03-501 VT-03-503
			•						VT-03-504 VT-03-505
						:			VT-03-506 VT-03-507
	1								VT-03-508 VT-03-509
						•			VT-03-551 VT-03-552
1						1			VT-03-553 VT-03-554 VT-03-556 VT-03-557
									VT-03-630 VT-03-631
									VT-03-632 VT-03-633
									VT-03-645 VT-03-646
				1					VT-03-700 VT-03-782
									VT-03-783 VT-03-784
				1					VT-03-787 VT-03-789 VT-03-790 VT-03-803
				1					VT-03-806 VT-03-807
				1	i		1		VT-03-808 VT-03-809
							1		VT-03-810 VT-03-812
		Three	all	***	Press			*	* VT-06-729 VT-06-759,
		1							VT-06-760, VT-06-727,
									VT-06-728, VT-06-730,
				İ				1	VT-06-731, VT-06-733,
				i					VT-06-734, VT-06-735,
									VT-06-740, VT-06-741, VT-06-745, VT-06-742,
							i		VT-06-745, VT-06-742, VT-06-746,
									VT-06-747, VT-06-766,
									VT-06-798, VT-06-781,
									VT-06-782, VT-06-799,
									VT-06-001, VT-06-002,
									VT-06-796, VT-06-666,
	ł								VT-06-667, VT-06-668, VT-06-785, VT-06-777,
				ŀ					VT-06-779, VT-06-776,
				ŀ					VT-06-780, VT-06-789,
									VT-06-790, VT-06-800,
									VT-06-791, VT-06-792,
				ŀ					VT-06-786, VT-06-788,
									VT-06-797 *** Remainder Scheduled
									- Nemanider Genedaled
	41 SG1	One	2	2	41-41	ļ		00-2323	
& 1.40	2				41-42	,		00-2323 00-2185	
		Two	0	0	41-41	<u> </u>	<u> </u>	VT-03-836	PSE, RR #4
		1	-	<u> </u>	41-42			VT-03-837	PSE, RR #4
	42 SG2	Two	2	2	42-41	<u> </u>	<u> </u>	VT-03-838	PSE, RR #4
					42-42			VT-03-839	PSE, RR #4
	43 MS SG1	One	3	3	SG-036-H017			00-2177	
		†			SG-036-H884			00-2178	
					SG-036-H885	†	 	00-2179	
		Two	2	2	SG-036-H011			VT-03-825	
					SG-036-H012			VT-02-395	
		Three	1	1	SG-036-H011			VT-05-521	Rej, RR #4
					SG-036-H011			VT-05-578	Re-exam / PSE

ASME Item	Zone Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
					SG-036-H012			VT-05-522	Expansion, Snubber Deleted
					SG-036-H016			VT-05-523	Expansion, RR #4
-		<u> </u>			SG-036-H017	-		VT-05-524	Expansion, RR #4
					SG-036-H884			VT-05-525	Expansion, RR #4
-					SG-036-H885			VT-05-526	Expansion, RR #4
					SG-036-H011			VT-06-965 VT-06-964	Aug. Rej. CRDR 2935286 PSE
					SG-036-H016			VT-06-1707	Expansion
		 			SG-036-H884			VT-06-1708	Expansion
				<u> </u>	SG-036-H885		<u> </u>	VT-06-1705	Expansion
	44 MS SG1	One	2	2	SG-033-H017		1	00-2180	
-	111110001	0.10	_		SG-033-H018			00-2181	support deleted
		Two	4	4	SG-033-H011		-	VT-03-826	support deleted
		IWO	-	-	SG-033-H015			VT-03-826	
					SG-033-H016			VT-02-390 VT-02-397	
							<u> </u>	1	
	ļ	 			SG-033-H881		<u> </u>	VT-02-275	
					SG-033-H882		ļ	VT-02-274	I Superior BB #4
		Three	2	2	SG-033-H011			VT-05-527 VT-05-579	Expansion, RR #4 PSE
]							VT-05-579	Expansion
	1				SG-033-H014			VT-06-967	Removed
					SG-033-H015			VT-05-528	Expansion, Snubber Deleted
					1		ļ		
		ļ			SG-033-H016			VT-05-529	Expansion, RR #4
		1			SG-033-H017			VT-05-530 VT-05-580	Rej, RR #4 Re-exam / PSE
								VT-05-560 VT-06-969	PSE
					SG-033-H018			VT-05-531	Expansion, Snubber Deleted
	<u> </u>				SG-033-H881			VT-05-532	Expansion, RR #4
		<u> </u>					·	VT-05-532	<u> </u>
	45 MC CCC		4		SG-033-H882			. I	Expansion, RR #4
	45 MS SG2	One	1		SG-042-H014			00-2182	support deleted
		Two	3	3	SG-042-H011			VT-03-510	
					SG-042-H012			VT-02-277	
	i	<u> </u>			SG-042-H013			VT-02-276	
		Three	5	5	SG-042-H011			VT-05-534 VT-05-581 VT-06-970	Expansion, RR #4 PSE Expansion
					SC 042 U045		<u> </u>	VT-06-1697	Removed
		1			SG-042-H015		<u> </u>	<u> </u>	Removed
	ļ				SG-042-H016			VT-06-1698	
	· · · · · · · · · · · · · · · · · · ·				SG-042-H017			VT-06-971	
					SG-042-H890	·····		VT-06-972	
					SG-042-H891			VT-06-973	
	46 MS SG2	One	2	2	SG-045-H017			00-2183	
					00.045.1104.0			00-2551	
					SG-045-H018			00-2184 00-2552	support deleted
	<u> </u>	Two	4	4	SG-045-H011		<u> </u>	VT-03-511	support deleted
	I	IWU	4	-4	SG-045-H011 SG-045-H012				
,	ļ						 	VT-02-354	
					SG-045-H887			VT-02-259	
		<u> </u>			SG-045-H888			VT-02-256	
		Three	1	1	SG-045-H011			VT-05-535 VT-05-582	Expansion, RR #4 PSE
		ļ			SC 045 11040		ļ	VT-06-974	Expansion Crubbas Dalatad
		\sqcup			SG-045-H012			VT-05-536	Expansion, Snubber Deleted
					SG-045-H016			VT-05-537	Expansion, RR #4
					SG-045-H017			VT-05-538	Expansion, RR #4
		1 1			SG-045-H017			VT-05-583	PSE

ASME Item	Zone Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
	47 MS SG1	One	1	1	SG-206-H001			99-2336	
	48 MS SG1	Two	1	1	SG-207-H001			VT-03-685	
	49 MS (East) SG2	Three	1	1	SG-208-H001			VT-05-034	
	50 MS (West) SG2	Three	1	1	SG-209-H001			VT-05-035	
	51 Atmos	One	1	1	SG-059-H006		1	99-2090	
	Dump SG1	Two	1	1	SG-070-H006			VT-03-522	
	52 Atmos	Three	2	2	SG-084-H006			VT-05-036	
·	Dump SG2	†		-	SG-103-H006		<u> </u>	VT-06-976	RR #4
	53 Steam to	One	4	4	SG-081-H001			99-2072	
	Aux FW	-			SG-081-H002			99-2073	
		· · · · · · · · · · · · · · · · · · ·			SG-083-H001			99-2074	
		†		<u> </u>	SG-083-H002			99-2075	
		Two	2	2	SG-081-H004		1	VT-02-089	
		<u> </u>			SG-083-H004			VT-02-090	
		Three	2	2	SG-081-H003			VT-05-037	
		 	-	-	SG-083-H003			VT-05-038	
	54 FW SG1	One	7	7	SG-002-H004	 	<u> </u>	00-2312	†
		 	<u> </u>	<u> </u>	SG-002-H005		 	00-2313	
					SG-002-H012			00-2562	<u> </u>
		 	-		SG-002-H013			00-2314	.
					SG-002-H014		<u> </u>	00-2315	
		 			SG-002-H015			00-2316	
		 			SG-002-H013		<u> </u>	00-2540	
		Tive	7		SG-002-H009		<u> </u>	VT-03-520	
	ļ	Two	<i>'</i>	7			ļ		
		ļ			SG-002-H010			VT-03-517	
					SG-002-H011			VT-02-008 VT-02-011	
		<u> </u>		 	SG-002-H806	<u> </u>	1	VT-02-011	
		<u> </u>	 	 	SG-002-H811	ļ	 	VT-03-519	· · · · · · · · · · · · · · · · · · ·
					SG-002-11011 SG-013-H001	1		VT-03-519	
					SG-013-H802		1	VT-03-516	
		Three	6	6	SG-002-H002		 	VT-05-539	Expansion
		Tillee			SG-002-H012		ļ	VT-05-540	Expansion
				ļ	SG-002-H012 SG-013-H001			VT-05-540 VT-05-541	
					<u> </u>				Expansion
		<u> </u>			SG-002-H001		ļ	VT-06-977	RR #4
		ļ			SG-002-H003	ļ	ļ	VT-06-978	RR #4
		ļ			SG-002-H006			VT-06-979	RR #4
		ļ			SG-002-H008			VT-06-980	RR #4
		ļ. <u> </u>			SG-002-H807		<u></u>	VT-06-981	RR #4
	55 FW SG2	One	9	9	SG-005-H009		ļ	00-2297	
		<u> </u>	<u> </u>		SG-005-H010			00-2298	
					SG-005-H011			00-2299	
					SG-005-H012			00-2541	
					SG-005-H805			00-2542	
					SG-005-H809			00-2545	
					SG-005-H812			00-2361	
					SG-014-H001			00-2543	
					SG-014-H804			00-2544	
		Two	7	7	SG-005-H004			VT-02-246	
								VT-02-247	
		ļ			SG-005-H005			VT-02-248	
					SG-005-H006			VT-02-253	

ASME Item	Zone Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
					SG-005-H007			VT-02-250 VT-02-254	
					SG-005-H008			VT-02-272	
		ļ.			SG-005-H013			VT-02-273	
		l			SG-005-H014			VT-02-255	
		1			000000			VT-02-251	
		Three	4	4	SG-005-H001	,		VT-06-982	
					SG-005-H002			VT-06-983	
		<u> </u>			SG-005-H003			VT-06-984	
					SG-005-H808	**		VT-06-985	
	56 FW SG1	Two	1	1	SG-202-H001	-		VT-03-626	
	57 FW SG1	Three	1	1	SG-205-H002			VT-05-039	
	58 Aux &	One	7	7	SG-008-H002			00-2317	
	Dwncmr SG1				SG-008-H003			00-2318	
					SG-008-H004			00-2319	
					SG-008-H005			00-2320	
			-		SG-008-H020			00-2321	
					SG-008-H901			00-2436	
					SG-008-H903	· · · · · ·		00-2437	
		Two	7	7	SG-008-H006			VT-02-340	
					SG-008-H007			VT-02-343	
								VT-02-341	
					SG-008-H008			VT-02-205	
					SG-008-H009			VT-02-208	
					1			VT-02-206	
					SG-008-H010			VT-02-207 VT-02-212	
								VT-02-212	
		 			SG-008-H011		-	VT-02-209	
,								VT-03-549	
					SG-008-H017			VT-02-342	
								VT-03-550	
	58 Aux & Dwncmr	Three	8	8	SG-008-H004			VT-05-542	Expansion
	FW SG1				SG-008-H011			VT-05-543	Expansion
					SG-008-H015			VT-05-544	Expansion
					AF-004-H001			VT-06-986	
					SG-008-H012			VT-06-987	
					SG-008-H013			VT-06-988	
					SG-008-H014			VT-06-989	
					SG-008-H016			VT-06-990	
					SG-008-H018			VT-06-991	
					SG-008-H019			VT-06-992	
	59 Aux &	One	6	6	AF-006-H001			99-2137	
	Dwncmr FW SG2				SG-011-H004			99-2507	Expansion
					SG-011-H008			99-2040	
					SG-011-H009			99-2041	
					SG-011-H010			99-2042	
		-			SG-011-H011			99-2043 99-2508	Reject Re-exam
					SG-011-H012		1	99-2044	
 					SG-011-H016			99-2509	Expansion
		Two	6	6	SG-011-H013			VT-02-353	
					SG-011-H014			VT-02-214 VT-02-213	
					SG-011-H015		 	VT-02-210	
		<u> </u>			SG-011-H016		 	VT-02-204	

ASME Item	Zone Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
			<u> </u>		SG-011-H018			VT-02-352	
		1			SG-011-H019			VT-02-211	
		Three	10	10	SG-011-H002			VT-06-993	RR #4
					SG-011-H003			VT-06-994	RR #4
					SG-011-H004			VT-06-995	RR #4
		İ			SG-011-H005			VT-06-996	RR #4
					SG-011-H006			VT-06-997	
					SG-011-H007			VT-06-998	
					SG-011-H017			VT-06-999	
		·			SG-011-H020			VT-06-1000	RR #4
					SG-011-H902			VT-06-1001	
					SG-011-H904			VT-06-1002	RR #4
	60 Dwncmr FW	One	1	1	SG-200-H009			99-2086	
	SG1				SG-200-H013			99-2521	PSE
					SG-200-H014			99-2483	PSE
-	-	Three	2	2	SG-200-H009			VT-05-040	
					SG-200-H013			VT-05-041	
		<u> </u>			SG-200-H014			VT-05-042	
	61 Dwncmr FW	One	0	0	SG-203-H013			99-2519	PSE
	SG2	<u> </u>	<u> </u>		SG-203-H014			99-2520	PSE
		Two	2	2	SG-203-H013			VT-03-781	
		Ì			SG-203-H014	L		VT-03-774	
		Three	1	1	SG-203-H008			VT-05-043	
	62 Aux FW SG1	One	1	1	AF-004-H003			99-2136	•
_		Two	1	1	AF-018-H001			VT-03-775	
		Three	2	2	AF-018-H002			VT-05-044	
		1			AF-018-H003			VT-05-045	***************************************
	63 Aux FW SG2	One	2	2	AF-006-H002			99-2138	***
		<u> </u>			AF-016-H001			99-2139	
		Two	2	2	AF-006-H003			VT-03-776	
					AF-006-H005			VT-03-777	
		Three	1	1	AF-006-H004			VT-05-046	
	64 Blowdown SG1	One	12	12	SG-039-H010			00-2049	
					SG-039-H011			00-2050	support deleted
		1			SG-039-H012			00-2051	
		<u> </u>		<u> </u>	SG-039-H013			00-2052	support deleted
			-		SG-039-H014			00-2063	support deleted
		-		<u> </u>	SG-039-H015			00-2064	
		<u> </u>			SG-039-H016			00-2065	
		<u> </u>			SG-039-H017			00-2053	support deleted
					SG-039-H026			00-2054	
					SG-053-H001			00-2034	support deleted
		-			SG-053-H002		<u> </u>	00-2071	support deleted
					SG-053-H007			99-2161	support deleted
					SG-053-H007 SG-053-H924			00-2062	- Support doloted
		Two	15	15	SG-039-H001			VT-02-003	
		1 440	13	13	SG-039-H001 SG-039-H002			VT-02-003 VT-02-002	
					SG-039-H003			VT-02-002 VT-02-032	
		-			SG-039-H003 SG-039-H004			VT-02-032 VT-02-033	
		ļ			SG-039-H004 SG-039-H005			VT-02-033 VT-02-034	<u> </u>
					SG-039-H005 SG-039-H006			VT-02-034 VT-02-035	
					SG-039-H006 SG-039-H027			VT-02-035 VT-02-036	
		ļ			SG-039-H027 SG-039-H038			VT-02-036 VT-03-820	PSE
	<u> </u>		لـــــا	L	00-039-11030	L		1 1-03-020	<u> </u>

ASME Item	Zone Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
					SG-039-H922			VT-03-821	
					SG-053-H003			VT-02-041	
					SG-053-H004			VT-02-042	
					SG-053-H005			VT-02-043	
					SG-053-H006			VT-02-044	
					SG-053-H007			VT-02-045	
					SG-522-H001			VT-03-822	PSE
					SG-522-H002			VT-03-834	PSE
		Three	5	5	SG-522-H002			VT-05-545	Expansion
					SG-039-H009			VT-06-1003	
					SG-039-H018			VT-06-1004	
					SG-039-H022			VT-06-1005	
					SG-039-H024			VT-06-1006	
					SG-039-H025			VT-06-1007	
					SG-053-H005			VT-06-1551	Aug
	65 Blowdown SG2	One	12	12	SG-048-H002			00-2066	support deleted
					SG-048-H003			00-2055	support deleted
					SG-048-H004			00-2056	
					SG-048-H019		·	00-2057	support deleted
					SG-048-H020			00-2058	support deleted
					SG-048-H021			00-2059	
					SG-048-H925			00-2060	
	,				SG-052-H001			00-2067	support deleted
					SG-052-H002			00-2068	support deleted
					SG-052-H003			00-2069	support deleted
					SG-052-H004			00-2070	
					SG-052-H923			00-2061	
		Two	15	15	SG-048-H013		1	VT-02-025	
		1			SG-048-H014			VT-02-024	
		ļ			SG-048-H015			VT-02-023	
		.			SG-048-H016			VT-02-026	
					SG-048-H017	<u></u>		VT-02-027	
					SG-048-H018			VT-02-022	
					SG-048-H022			VT-02-021	
					SG-048-H023			VT-02-028	
					SG-048-H024			VT-02-031	
					SG-048-H025			VT-02-030	
	· · · · · · · · · · · · · · · · · · ·	 			SG-048-H026		-	VT-02-029	
		<u> </u>			SG-523-H001			VT-03-835	PSE
		-			SG-523-H002			VT-03-823	PSE
	 				SG-523-H003		-	VT-03-827	PSE
	 		-		SG-523-H004			VT-03-824	PSE
	 	Three	6	6	SG-048-H005			VT-06-1008	
		111100	l	-	SG-048-H010			VT-06-1009	
		ļ			SG-048-H011			VT-06-1010	
	<u> </u>				SG-048-H027			VT-06-1010	1
	<u> </u>				SG-048-H027 SG-048-H028		<u> </u>	VT-06-1011 VT-06-1012	
		-							
	CO Description	Th			SG-052-H005	- · · · · · · · · · · · · · · · · · · ·	 	VT-06-1013	
	68 Regen HTEXCH	Three	2	2	68-10			VT-05-047	
	70 DOLOGO				68-11			VT-05-048	
	70 LPSI Suction A	One	1	1	SI-067-H004			99-2223	100 #4
		Three	4	4	SI-241-H020			VT-05-049	RR #4
			L		SI-241-H022		<u> </u>	VT-05-050	Snubber deleted

ASME Item	Zone Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
		<u> </u>			SI-307-H016			VT-05-051	RR #4
					SI-307-H017			VT-05-052	RR #4
	71 LPSI	One	1	1	SI-087-H011			99-2039	
	Discharge A	Two	5	5	SI-078-H001			VT-02-053	
		 			SI-078-H002			VT-02-052	
		<u> </u>	<u> </u>		SI-087-H001			VT-02-051	
		 			SI-087-H002			VT-02-050	
· · · · · · · · · · · · · · · · · · ·		<u> </u>			SI-087-H003			VT-02-049	
		Three	1	1	SI-078-H003			VT-05-053	
	72 LPSI PUMP A	One	3	3	72-3A			99-2482	
			-	 	72-3B			99-2482	
		-	 	 	72-3C		 	99-2482	
	73 LPSI B Suction	Two	1	1	SI-308-H014			VT-02-289	
	70 El Ol B odolloli	Three	4	4	SI-034-H004			VT-05-054	RR #4
	-	1111100		 	SI-194-H001		+	VT-05-055	RR #4
		 		 	SI-308-H012		<u> </u>	VT-05-056	RR #4
		 		-	SI-308-H013	-		VT-05-057	RR #4
	74 LPSI B	Three	6	6	SI-306-H013	 	 	VT-05-057	RR #4
	Discharge	inee	 	 	SI-129-H001 SI-129-H002		-	VT-05-059	147.114
	Discharge	 		 	SI-129-H002 SI-129-H003			VT-05-059	RR #4
		<u> </u>		ļ				1	RR #4
		ļ	<u> </u>		SI-129-H004		ļ	VT-05-061	
		<u> </u>			SI-129-H005			VT-05-062	RR #4
		<u> </u>			SI-129-H006			VT-05-063	RR #4
	75 LPSI Pump B	Two	3	3	73-3A			VT-03-647	
					73-3B	<u> </u>	<u> </u>	VT-03-648	
					73-3C			VT-03-649	
	76 CS Suction A	One	1	1	SI-009-H004			99-2195	
		Three	3	3	SI-067-H001			VT-05-064	RR #4
					SI-067-H002			VT-05-065	RR #4
					SI-067-H003			VT-05-066	RR #4
	77 CS Discharge A	One	4	4	SI-079-H001			99-2169	
					SI-079-H002			99-2101	
					SI-079-H003			99-2102	
-					SI-079-H004			99-2170	
		Two	3	3	SI-079-H005			VT-03-654	RR #4
		İ			SI-079-H006			VT-03-665	RR #4
		1			SI-082-H002			VT-03-666	RR #4
		Three	3	3	SI-079-H007		1	VT-05-067	RR #4
		 			SI-079-H008			VT-05-068	RR #4
		<u> </u>			SI-079-H009			VT-05-069	RR #4
	78 CS Pump A	Two	3	3	80-3A			VT-03-627	
			<u> </u>	-	80-3B			VT-03-628	
					80-3C	 	 	VT-03-589	-
								VT-03-629	
	79 CS Suction B	One	3	3	SI-034-H001			99-2162	
					SI-034-H002	<u> </u>	1	99-2163	
					SI-034-H003	†		99-2164	
	 	Two	1	1	SI-033-H004			VT-03-600	RR #4
		Three	2	2	SI-034-H005	<u> </u>		VT-05-070	
	<u> </u>		-	\vdash	SI-034-H006			VT-05-071	
	80 CS Discharge B	One	3	3	SI-034-11000 SI-119-H007			99-2267	
	55 GG Discharge B	J.16	ب	ٺ	SI-119-H008	-		99-2262	
					SI-119-H009		 	99-2268	+
		Two	4	4	SI-119-H001			01-2004	

ASME Item	Zone Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
					SI-119-H002			VT-03-591	RR #4
		1			SI-119-H003			VT-03-605	RR #4
					SI-119-H004			VT-03-599	RR #4
		Three	3	3	SI-119-H005	,		VT-05-072	
		† · · · · ·			SI-119-H006			VT-05-073	
					SI-147-H001			VT-05-074	
	81 CS Pump B	Three	3	3	81-3A			VT-05-075	
					81-3B			VT-05-076	
					81-3C			VT-05-077	
	82 SD Cooling A	One	2	2	SI-078-H005			99-2093	
		1			SI-079-H010			99-2096	
		Three	1	1	SI-078-H004			VT-05-078	RR #4
	83 SD Cooling A	One	4	4	SI-087-H009		-	99-2095	
		1			SI-089-H001			99-2085	
		<u> </u>			SI-089-H002			99-2098	
		 			SI-089-H003			99-2097	
		Two	3	3	SI-087-H004			VT-03-634	
	<u> </u>	1			SI-090-H001			VT-03-635	
					SI-090-H002		†	VT-03-636	,
		Three	12	12	SI-070-H001			VT-05-079	RR #4
					SI-070-H002			VT-05-080	RR #4
		1			SI-070-H003			VT-05-081	RR #4
					SI-070-H006		1	VT-05-082	
		1			SI-070-H007			VT-05-083	RR #4
		·			SI-082-H001			VT-05-084	RR #4
					SI-087-H005	 		VT-05-085	RR #4
		1			SI-087-H006			VT-05-086	RR #4
•					SI-087-H007			VT-05-087	RR #4
			· · · · · · · · · · · · · · · · · · ·	 	SI-087-H008	 		VT-05-088	RR #4
		 			SI-089-H005			VT-05-089	RR #4
		 		<u> </u>	SI-090-H004			VT-05-090	RR #4
	85 SD Cooling B	One	3	3	SI-119-H010			99-2185	
					SI-123-H006			99-2186	
		1	 		SI-123-H007			99-2187	
		Two	6	6	SI-119-H011			VT-03-593	
		+	 		SI-119-H013			VT-03-595	
		+			SI-119-H014			VT-03-596	
					SI-123-H002			VT-03-601	RR #4
					SI-123-H005	<u> </u>		VT-03-602	RR #4
		 			SI-123-H008			VT-03-603	RR #4
		Three	1	1	SI-123-H001	<u> </u>		VT-04-322	PSE
	86 SD Cooling B	One	3	3	SI-129-H010			99-2188	
	1			<u> </u>	SI-129-H011			99-2189	
-					SI-129-H012			99-2190	
					01 123 11012			99-2530	
		Two	7	7	SI-072-H005			VT-03-620	RR #4
		 		 	SI-072-H006	 	<u> </u>	VT-03-621	RR #4
	1				SI-129-H007		 	VT-03-624	RR #4
								VT-03-699	RR #4
					SI-129-H008			VT-03-696	RR #4
		T			SI-129-H012		1	01-2005	
					SI-135-H001			VT-03-622	RR #4
					SI-135-H002			VT-03-623	RR #4
					SI-135-H003			VT-03-625	RR #4

ASME Item	Zone Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
		Three	15	15	SI-072-H001			VT-05-091	RR #4
					SI-072-H002			VT-05-092	RR #4
					SI-072-H003			VT-05-093	RR #4
					SI-072-H004		1	VT-05-094	RR #4
					SI-072-H012			VT-05-095	RR #4
		· .			SI-129-H009			VT-05-096	RR #4
		† · · · · · ·			SI-129-H013			VT-05-097	RR #4
					SI-134-H001		1	VT-05-098	RR #4
		 			SI-134-H002		•	VT-05-099	RR #4
		 	 		SI-134-H003			VT-05-100	RR #4
		 	<u> </u>		SI-134-H005			VT-05-101	RR #4
					SI-134-H006			VT-05-102	RR #4
		 			SI-134-H007			VT-05-103	RR #4
					SI-134-11007 SI-134-H008			VT-05-103	RR #4
		. 	ļ				ļ	1	1
	1	<u> </u>			SI-147-H002		ļ	VT-05-105	RR #4
	88 East Wrap	One	8	8	SI-072-H011			99-2317	
		ļ			SI-072-H013			99-2316	
					SI-072-H014		ļ	99-2315	
					SI-072-H021			00-2186	
					SI-072-H022			00-2187	
					SI-073-H001			00-2188	
					SI-073-H002			00-2189	
					SI-073-H003			00-2190	
		Three	6	6	SI-072-H015			VT-05-106	RR #4
					SI-072-H016	· · · · · · · · · · · · · · · · · · ·		VT-05-107	RR #4
					SI-072-H017			VT-05-108	RR #4
					SI-072-H018			VT-05-109	RR #4
	-	<u> </u>			SI-072-H019			VT-05-110	RR #4
					SI-072-H020			VT-05-111	RR #4
	89 East Wrap	One	4	4	SI-194-H012			99-2275	
	1		- 	<u> </u>	SI-194-H013			99-2274	
					SI-194-H014			99-2273	
	-	 			SI-194-H023			99-2309	Reject
					01-134-11023			99-2331	Re-exam
		Three	1	1	SI-173-H001			VT-05-112	
					SI-194-H023		<u> </u>	VT-05-113	
	90 East Wrap	Two	2	2	SI-134-H009		1	VT-03-612	RR #4
	CO Edot Widp	1			SI-134-H010			VT-03-611	RR #4
	91 West Wrap	One	7	7	SI-070-H009		<u> </u>	99-2165	100 #4
	91 West Wrap	Oile			SI-070-H009 SI-070-H010			99-2166	_
		-					ļ		
		.			SI-070-H011			99-2114	
					SI-070-H012			99-2167	
					SI-070-H013			99-2115	
					SI-070-H015			99-2168	
					SI-070-H016			99-2116	
		Two	2	2	SI-071-H002			VT-03-597	
					SI-071-H003			VT-03-598	
		Three	1	1	SI-070-H014			VT-05-114	
	92 West Wrap	One	5	5	SI-239-H003			99-2172	
					SI-241-H012			99-2173	
					SI-241-H014			99-2174	
					SI-241-H015			99-2175	
					SI-241-H021			99-2176	
	ı	1	5	5	SI-239-H001		ļ	VT-03-604	

ASME Item	Zone Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
					SI-239-H002			VT-03-606	
					SI-241-H009	·		VT-03-581	
					SI-241-H011			VT-03-584	
					SI-241-H016			VT-03-585	Deleted
		Three	2	2	SI-002-H001			VT-05-115	Snubber Deleted
					SI-002-H005			VT-05-116	Snubber Deleted
	93 West Wrap	Two	2	2	SI-089-H010			VT-03-561	RR #4
					SI-089-H013			VT-03-563	
		Three	2	2	SI-089-H011		Ì	VT-05-117	RR #4
			<u> </u>		SI-089-H012			VT-05-118	RR #4
	94 LPSI A	One	3	3	SI-089-H007			99-2399	
		1	 	 	SI-089-H008			99-2400	
				 	SI-089-H009		<u> </u>	99-2401	<u> </u>
		Two	7	7	SI-070-H004			VT-03-655	RR #4
			<u> </u>	<u> </u>	SI-070-H005		1	VT-03-656	
		 	<u> </u>		SI-070-H008			VT-03-769	
	ļ	 	 	<u> </u>	SI-241-H006		ļ	VT-03-769 VT-02-062	1
		<u> </u>	<u> </u>		SI-241-H006 SI-241-H007			VT-02-062 VT-02-061	
		<u> </u>	<u> </u>	ļ	SI-241-H007			VT-02-088	<u> </u>
		<u> </u>		<u> </u>	SI-241-H008 SI-241-H017	-		VT-02-088	
		T 1						<u> </u>	100 #4
		Three	5	5	SI-089-H006		ļ	VT-05-119	RR #4
		ļ	ļ		SI-241-H002			VT-05-120	RR #4
					SI-241-H003			VT-05-121	
					SI-241-H004			VT-05-122	RR #4
					SI-241-H005			VT-05-123	RR #4
	95 LPSI B	One	6	6	SI-072-H008			99-2402	
					SI-072-H010			99-2403	
					SI-134-H011			99-2404	
					SI-134-H012			99-2405	
,					SI-194-H003			99-2406	support deleted
					SI-194-H005			99-2407	
					SI-194-H006			99-2408	Expansion
		Two	10	10	SI-072-H007			VT-02-047	
								VT-02-059	
					SI-072-H009			VT-02-046	
					SI-194-H004			VT-03-663	RR #4
					SI-194-H007			VT-03-664	RR #4
					SI-194-H008			VT-03-661	RR #4
					SI-194-H009			VT-03-671	RR #4
							1	VT-03-770	
					SI-194-H010			VT-03-672	RR #4
		ļ <u> </u>					ļ	VT-03-674	RR #4
		ļ			SI-194-H011			VT-03-673	RR #4
					SI-194-H015	<u> </u>		VT-03-675	RR #4
					SI-194-H021			VT-03-662	RR #4
		Three	3	3	SI-134-H004			VT-05-124	RR #4
					SI-194-H002			VT-05-125	RR #4
					SI-194-H006			VT-05-126	RR #4
	96 LPSI to Loop 1A	One	3	3	SI-202-H007			99-2467	
	-	Ī			SI-202-H008			99-2468	support deleted
					SI-202-H009			99-2469	support deleted
		Two	7	7	SI-202-H002	<u> </u>	1	VT-03-535	
		 			SI-202-H003		 	VT-02-081	1
·		 			SI-202-H004		+	VT-02-080	

ASME Item	Zone Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
					SI-202-H006			VT-02-079	
					SI-202-H010			VT-02-077	Deleted
					SI-202-H011			VT-02-078	Deleted
					SI-202-H015			VT-02-082	
		Three	5	5	SI-202-H001			VT-06-1014	
					SI-202-H012			VT-06-1015	
					SI-202-H016			VT-06-1016	
					SI-202-H017			VT-06-1017	
					SI-202-H018	· · · · · · · · · · · · · · · · · · ·		VT-06-1018	
	97 LPSI to Loop 1B	One	10	10	SI-220-H008			00-2438	
					SI-220-H009	******	1	99-2470	
					SI-220-H010			99-2471	
					SI-220-H011	•		99-2472	support deleted
					SI-220-H012			99-2473	
					SI-220-H013			99-2474	
					SI-220-H014		· · · · · · · · · · · · · · · · · · ·	99-2475	support deleted
		<u> </u>	····	<u> </u>	SI-220-H015			99-2476	
		 		<u> </u>	SI-220-H019			99-2480	***************************************
					SI-220-H022		l	99-2481	support deleted
		Two	7	7	SI-220-H001		1	VT-02-298	
					SI-220-H016			VT-02-299	
				<u> </u>	SI-220-H017			VT-02-300	· · · · · · · · · · · · · · · · · · ·
					SI-220-H018			VT-02-301	
					SI-220-H020			VT-03-536	
					SI-220-H021			VT-02-302	Deleted
			<u> </u>		SI-220-H028			VT-02-303	
-		Three	7	7	SI-220-H005			VT-06-1019	
					SI-220-H007			VT-06-1020	
		-			SI-220-H023			VT-06-1699	
		 	 		SI-220-H024			VT-06-1021	
		-			SI-220-H026			VT-06-1022	Removed
			<u> </u>		SI-220-H027			VT-06-1023	
					SI-220-H029			VT-06-1024	
	98 LPSI to Loop 2A	One	2	2	SI-155-H005		 	99-2100	
	30 Er Gr to 200p 27 t	0110			SI-155-H006			99-2084	
		Two	5	5	SI-155-H001		<u>.</u>	VT-02-087	+
		1 ***	ب ا		SI-155-H002			VT-02-084	
	<u> </u>				SI-155-H003			VT-02-085	Deleted
					SI-155-H004			VT-02-086	Deleted
			<u> </u>		SI-155-H004 SI-155-H007			VT-02-088	
	99 LPSI to Loop 2B	Two	5	5	SI-155-H007 SI-174-H007	· · · · · · · · · · · · · · · · · · ·		VT-02-063 VT-02-404	Deleted
	55 E1 51 to Loop 2B	1 440	ا `		SI-174-H007 SI-174-H008			VT-02-404 VT-02-405	Dolotou
		ļ			SI-174-H008 SI-174-H009			VT-02-405	Deleted
		 	ļ	<u> </u>	SI-174-H009 SI-174-H010			VT-02-406 VT-02-407	Soloton
	<u> </u>				SI-174-H010 SI-174-H013			VT-02-407 VT-02-408	
		Three	5		SI-174-H013 SI-174-H004			VT-02-408 VT-06-1025	
		Three	-	9	SI-174-H004 SI-174-H005			VT-06-1025	
		-	<u> </u>						Removed
		ļ			SI-174-H006			VT-06-1027	Removed
		1	I	ı	SI-174-H011		L	VT-06-1028	1
			· · · · · · · · · · · · · · · · · · ·		CL 474 11040			VT 00 4000	
	1001001001				SI-174-H012			VT-06-1029	
	100 LPSI A Suction	One	2	2	SI-174-H012 SI-241-H019 SI-369-H001			VT-06-1029 99-2340 99-2341	

ASME Item	Zone Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
	101 LPSI B Suction	One	0	0	SI-194-H026			99-2443	Expansion
		Three	6	6	85-5	·		VT-05-127	
					SI-194-H016			VT-06-1030	RR #4
					SI-194-H022			VT-06-1031	
					SI-194-H026			VT-06-1032	RR #4
		<u> </u>		t	SI-368-H001			VT-06-1033	
				i	SI-368-H002			VT-06-1034	RR #4
	102 SI Suction A	One	6	6	SI-307-H002			00-2301	
				 	SI-307-H003			00-2302	
		-			SI-307-H004			00-2303	support deleted
				<u> </u>	SI-307-H005			00-2258	
			<u> </u>	<u> </u>	SI-307-H008			00-2257	· · · · · · · · · · · · · · · · · · ·
		-			SI-307-H015		-	00-2304	1
		Two	7	7	SI-008-H001			VT-02-055	<u> </u>
		100	<u>'</u>	 -	SI-008-H002		 	VT-02-053	
			ļ	 	SI-008-H003		ļ	VT-02-054	
				<u> </u>					
			.		SI-008-H004			VT-02-057	
			ļ	ļ	SI-307-H006		ļ	VT-02-060	
			L		SI-307-H007			VT-02-063	
					SI-307-H014			VT-02-048	
		Three	7	7	SI-008-H005			VT-05-128	RR #4
					SI-009-H001			VT-05-129	
					SI-009-H002			VT-05-130	RR #4
					SI-009-H005			VT-05-131	RR #4
					SI-307-H009			VT-05-132	Snubber Deleted
					SI-307-H010			VT-05-133	RR #4
					SI-307-H011			VT-05-134	Snubber Deleted
	103 Refuel	One	6	6	CH-142-H013			99-2409	
	Suction A	1			CH-142-H014			99-2411	
					CH-142-H015			99-2412	
					CH-142-H019		† 	99-2413	
		†		 	CH-142-H022			99-2414	
					CH-424-H001			99-2415	
		Two	6	6	CH-142-H008		 	VT-02-064	
					CH-142-H020	`	1	VT-02-065	
				<u> </u>	CH-142-H021			VT-02-067	-
					CH-424-H002			VT-02-066	
				-	CH-424-H003		1	VT-02-068	
		-			CH-424-H006			VT-03-697	RR#4
		Three	6	6	CH-142-H001		<u> </u>	VT-05-037	TAX PA
	<u> </u>	111100		۰	CH-142-H002		<u> </u>	VT-05-136	
		-			1			VT-05-136	
					CH-142-H003			1	
	<u> </u>				CH-142-H004		· .	VT-05-138	
					CH-142-H005			VT-05-139	Snubber Deleted
			<u> </u>		CH-142-H006			VT-05-140	
	104 SI Suction B	One	7	7	SI-033-H001			99-2460	support deleted
				<u> </u>	SI-033-H002			99-2461	support deleted
					SI-033-H003			99-2462	
					SI-308-H005			99-2463	
					SI-308-H008			99-2464	
					SI-308-H010			99-2465	support deleted
					SI-308-H011			99-2466	
		Two	7	7	SI-308-H001			VT-02-284	

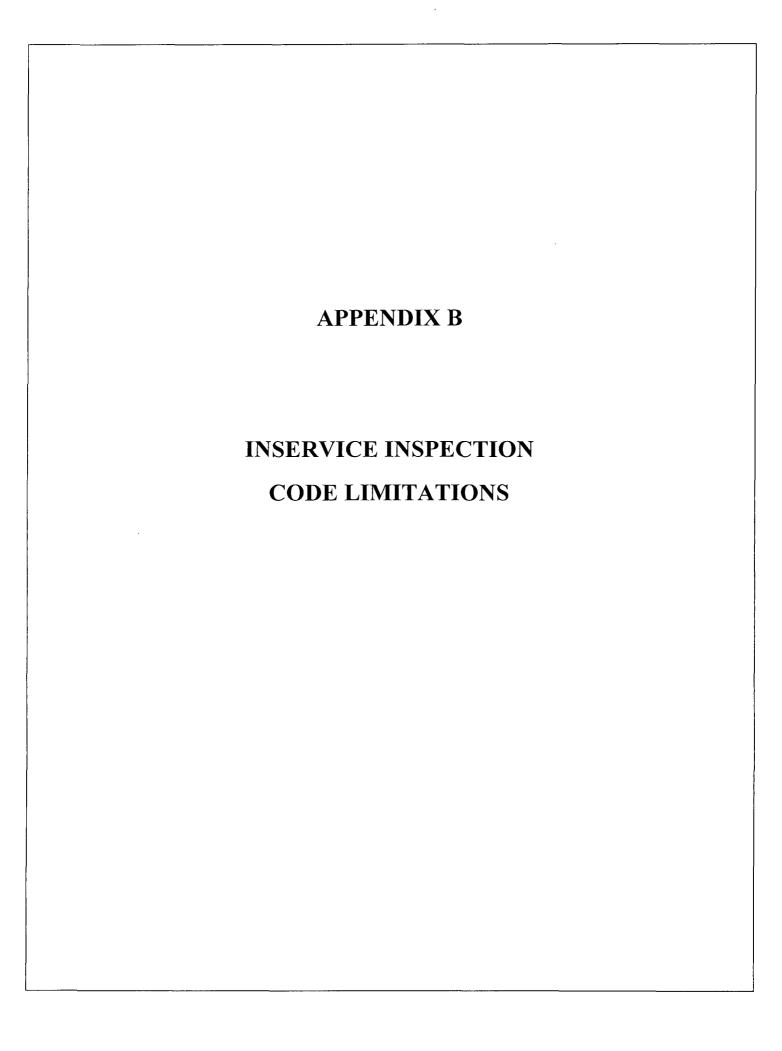
ASME Item	Zone Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
					SI-308-H002			VT-02-285	
					SI-308-H003			VT-02-297	
					SI-308-H004			VT-02-296	
		† 			SI-308-H006			VT-02-286	Deleted
		<u> </u>			SI-308-H007			VT-02-287	Deleted
		1	· · · · · · · · · · · · · · · · · · ·		SI-308-H015			VT-02-288	
		Three	6	6	SI-031-H001			VT-05-141	RR #4
		<u> </u>		<u> </u>	SI-031-H002			VT-05-142	RR #4
					SI-031-H003			VT-05-143	Snubber Deleted
			<u> </u>		SI-031-H004			VT-05-144	RR #4
		<u> </u>	<u> </u>		SI-031-H005			VT-05-145	RR #4
		<u> </u>	 	 	SI-308-H009			VT-05-146	RR #4
-	105 Refuel	One	7	7	CH-149-H009			00-2168	1
	Suction B	00	<u> </u>	 ' -	CH-149-H010		<u> </u>	00-2169	
	Oddion B				CH-149-H012			00-2170	
			 		CH-149-H013			00-2170	
					CH-149-H013			00-2171	
					CH-149-H014			00-2172	
	I		 		CH-149-H021			00-2173	
					CH-149-H028	-	<u> </u>	00-2174	
		Two	7	7	CH-149-H001			VT-02-400	Expansion
		100			CH-149-H002		<u> </u>	VT-02-401	Expansion
			<u> </u>		CH-149-H003			VT-02-401	Expansion
			ļ					VT-02-402 VT-02-283	17
					CH-149-H004			VT-02-263 VT-02-387	Reject, PSE replacement
					CH-149-H005			VT-02-294	T OE TOPIAGEMENT
		ļ			CH-149-H006			VT-02-293	
					CH-149-H007			VT-02-295	
					CH-149-H008			VT-02-293	Expansion
	 	 			CH-149-H021			VT-02-399	
					CH-149-H025			VT-02-399 VT-02-292	Expansion
		ļ					<u> </u>	VT-02-292 VT-02-291	
					CH-149-H026		ļ		
					CH-149-H027			VT-02-290	
		Three	8	8	CH-149-H001			VT-05-147	
					CH-149-H002			VT-05-148	
					CH-149-H003			VT-05-149	
					CH-149-H004			VT-05-150	
					CH-149-H008			VT-05-151	
					CH-425-H001			VT-05-152	
					CH-425-H006			VT-05-153	RR #4
					CH-425-H007			VT-05-154	Snubber Deleted
					CH-425-H008			VT-05-155	Snubber Deleted
	106 HPSI A	One	8	8	SI-099-H001			00-2265	
					SI-099-H002			00-2266	
					SI-100-H001			00-2267	
					SI-100-H002			00-2268	
					SI-100-H003			00-2269	
				•	SI-100-H005			00-2270	
					SI-100-H034			00-2271	
					SI-106-H001			00-2272	***************************************
		Two	7	7	SI-100-H009			VT-03-667	RR #4
					SI-100-H010			VT-03-668	RR #4
					SI-100-H011			VT-03-669	
	l	1		L	SI-105-H00B			VT-03-653	RR #4

ASME Item	Zone Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
					SI-105-H00C			VT-03-652	RR #4
					SI-105-H00D			VT-03-651	RR #4
					SI-105-H00E			VT-03-650	RR #4
		Three	7	7	SI-100-H004			VT-05-571	
					SI-100-H006			VT-05-156	RR #4
					SI-100-H007			VT-05-157	RR #4
					SI-100-H008			VT-05-158	RR #4
					SI-100-H015			VT-05-159	RR #4
					SI-100-H016			VT-05-160	RR #4
					SI-100-H036			VT-05-161	RR #4
	107 HPSI B	One	6	6	SI-107-H003		•	00-2093	
					SI-107-H011			00-2094	
					SI-107-H012			00-2095	· · · · · · · · · · · · · · · · · · ·
					SI-112-H00C		-	00-2560	
					SI-112-H00G			00-2561	
		1			SI-112-H00H			00-2096	
		Two	6	6	SI-107-H005			VT-03-588	
					SI-107-H006			VT-03-590	RR #4
					SI-107-H007			VT-03-586	RR #4
					SI-107-H008			VT-03-592	RR #4
		1			SI-107-H009			VT-03-587	RR #4
					SI-107-H010			VT-03-594	RR #4
		Three	6	6	SI-107-H001			VT-05-162	RR #4
					SI-107-H002		 	VT-05-163	RR #4
					SI-107-H004			VT-05-164	RR #4
					SI-107-H046	· · · · · · · · · · · · · · · · · · ·		VT-05-165	RR #4
		<u> </u>			SI-107-H048			VT-05-166	RR #4
		1			SI-112-H00D			VT-05-572	RR #4
	108 HPSI	One	11	11	SI-100-H022			99-2416	
	Discharge				SI-100-H023	· · · · · · · · · · · · · · · · · · ·		99-2417	
•	<u> </u>				SI-100-H024			99-2418	
							1-	99-2419	
					SI-100-H025				
								99-2420	
					SI-100-H026				
					SI-100-H026 SI-100-H027			99-2421	
					SI-100-H026 SI-100-H027 SI-100-H028			99-2421 99-2422	
					SI-100-H026 SI-100-H027 SI-100-H028 SI-100-H029			99-2421	
					SI-100-H026 SI-100-H027 SI-100-H028 SI-100-H029 SI-100-H031			99-2421 99-2422 99-2423 99-2424	
					SI-100-H026 SI-100-H027 SI-100-H028 SI-100-H029 SI-100-H031 SI-100-H032			99-2421 99-2422 99-2423 99-2424 99-2425	
		Two	11	11	SI-100-H026 SI-100-H027 SI-100-H028 SI-100-H029 SI-100-H031			99-2421 99-2422 99-2423 99-2424	RR #4
		Two	11	11	SI-100-H026 SI-100-H027 SI-100-H028 SI-100-H029 SI-100-H031 SI-100-H032 SI-100-H035			99-2421 99-2422 99-2423 99-2424 99-2425 99-2426	J.
		Two	11	11	SI-100-H026 SI-100-H027 SI-100-H028 SI-100-H029 SI-100-H031 SI-100-H032 SI-100-H035 SI-100-H012		-	99-2421 99-2422 99-2423 99-2424 99-2425 99-2426 VT-03-676 VT-03-679	RR #4
		Two	11	11	SI-100-H026 SI-100-H027 SI-100-H028 SI-100-H039 SI-100-H031 SI-100-H035 SI-100-H012 SI-100-H013 SI-100-H013		-	99-2421 99-2422 99-2423 99-2424 99-2425 99-2426 VT-03-676 VT-03-679	RR #4 RR #4
		Two	11	11	SI-100-H026 SI-100-H027 SI-100-H028 SI-100-H039 SI-100-H031 SI-100-H035 SI-100-H012 SI-100-H013 SI-100-H013 SI-100-H018 SI-100-H019			99-2421 99-2422 99-2423 99-2424 99-2425 99-2426 VT-03-676 VT-03-681 VT-03-682	RR #4 RR #4 RR #4
		Two	11	11	SI-100-H026 SI-100-H027 SI-100-H028 SI-100-H039 SI-100-H032 SI-100-H035 SI-100-H012 SI-100-H013 SI-100-H019 SI-100-H019 SI-100-H020			99-2421 99-2422 99-2423 99-2424 99-2425 99-2426 VT-03-676 VT-03-681 VT-03-682 VT-03-683	RR #4 RR #4 RR #4 RR #4
		Two	11		SI-100-H026 SI-100-H027 SI-100-H028 SI-100-H029 SI-100-H031 SI-100-H035 SI-100-H012 SI-100-H013 SI-100-H018 SI-100-H019 SI-100-H020 SI-100-H021		-	99-2421 99-2422 99-2423 99-2424 99-2425 99-2426 VT-03-676 VT-03-681 VT-03-682 VT-03-683 VT-03-684	RR #4 RR #4 RR #4 RR #4
		Two	11		SI-100-H026 SI-100-H027 SI-100-H028 SI-100-H029 SI-100-H031 SI-100-H035 SI-100-H012 SI-100-H013 SI-100-H018 SI-100-H019 SI-100-H020 SI-100-H021 SI-100-H021 SI-118-H00A		-	99-2421 99-2422 99-2423 99-2424 99-2425 99-2426 VT-03-676 VT-03-681 VT-03-682 VT-03-683 VT-03-684 VT-03-686	RR #4 RR #4 RR #4 RR #4 RR #4 RR #4 RR #4
		Two	11		SI-100-H026 SI-100-H027 SI-100-H028 SI-100-H029 SI-100-H031 SI-100-H035 SI-100-H012 SI-100-H013 SI-100-H018 SI-100-H019 SI-100-H020 SI-100-H021 SI-118-H00A SI-118-H00B		-	99-2421 99-2422 99-2423 99-2424 99-2425 99-2426 VT-03-676 VT-03-681 VT-03-682 VT-03-683 VT-03-686 VT-03-686 VT-03-686	RR #4 RR #4 RR #4 RR #4 RR #4 RR #4 RR #4 RR #4
		Two	11		SI-100-H026 SI-100-H027 SI-100-H028 SI-100-H029 SI-100-H031 SI-100-H035 SI-100-H012 SI-100-H013 SI-100-H019 SI-100-H020 SI-100-H021 SI-118-H00A SI-118-H00B SI-118-H00D			99-2421 99-2422 99-2423 99-2424 99-2425 99-2426 VT-03-676 VT-03-681 VT-03-682 VT-03-683 VT-03-684 VT-03-684 VT-03-691 VT-03-692	RR #4 RR #4 RR #4 RR #4 RR #4 RR #4 RR #4 RR #4 RR #4 RR #4
		Two	11		SI-100-H026 SI-100-H027 SI-100-H028 SI-100-H039 SI-100-H031 SI-100-H035 SI-100-H012 SI-100-H013 SI-100-H019 SI-100-H020 SI-100-H021 SI-118-H00A SI-118-H00B SI-118-H00B			99-2421 99-2422 99-2423 99-2424 99-2425 99-2426 VT-03-676 VT-03-681 VT-03-683 VT-03-683 VT-03-684 VT-03-691 VT-03-692 VT-03-694	RR #4 RR #4 RR #4 RR #4 RR #4 RR #4 RR #4 RR #4 RR #4 RR #4 RR #4 RR #4
					SI-100-H026 SI-100-H027 SI-100-H028 SI-100-H029 SI-100-H031 SI-100-H035 SI-100-H012 SI-100-H013 SI-100-H018 SI-100-H019 SI-100-H020 SI-100-H021 SI-118-H00A SI-118-H00B SI-118-H00B SI-118-H00R SI-118-H00S			99-2421 99-2422 99-2423 99-2424 99-2425 99-2426 VT-03-676 VT-03-681 VT-03-683 VT-03-683 VT-03-684 VT-03-691 VT-03-694 VT-03-694 VT-03-687	RR #4 RR #4 RR #4 RR #4 RR #4 RR #4 RR #4 RR #4 RR #4 RR #4
		Two	11		SI-100-H026 SI-100-H027 SI-100-H028 SI-100-H039 SI-100-H031 SI-100-H035 SI-100-H012 SI-100-H013 SI-100-H019 SI-100-H020 SI-100-H021 SI-118-H00A SI-118-H00B SI-118-H00B			99-2421 99-2422 99-2423 99-2424 99-2425 99-2426 VT-03-676 VT-03-681 VT-03-683 VT-03-683 VT-03-684 VT-03-691 VT-03-692 VT-03-694	RR #4 RR #4 RR #4 RR #4 RR #4 RR #4 RR #4 RR #4 RR #4 RR #4 RR #4 RR #4

ASME Item	Zone Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
					SI-118-H00G			VT-05-170	
					SI-118-H00H			VT-05-171	
					SI-118-H00J	•		VT-05-172	
					SI-118-H00K			VT-05-173	
					SI-118-H00L			VT-05-174	
					SI-118-H00M			VT-05-175	
					SI-118-H00N			VT-05-176	
					SI-118-H00P			VT-05-177	
					SI-118-H00Q			VT-05-178	
					SI-100-H020			VT-06-1706	PSE
	109 HPSI	One	7	7	SI-107-H013			00-2422	
	Discharge				SI-107-H014			00-2423	
					SI-107-H015			00-2474	
					SI-107-H016			00-2475	
					SI-107-H021			00-2424	
					SI-107-H047			00-2439	
					SI-107-H050			00-2440	support voided
		Two	7	7	SI-107-H019			VT-03-693	
					SI-107-H020			VT-03-695	
					SI-107-H025		1	VT-03-677	
					SI-107-H026			VT-03-689	
					SI-107-H027			VT-03-690	
					SI-107-H028			VT-03-688	
					SI-107-H029			VT-03-678	
		Three	7	7	SI-107-H030			VT-05-180	RR #4
	,				SI-107-H031			VT-05-179	RR #4
					SI-107-H032			VT-05-181	RR #4
					SI-107-H034			VT-05-182	RR #4
					SI-107-H035			VT-05-183	RR #4
					SI-107-H036			VT-05-184	RR #4
					SI-107-H037			VT-05-185	RR #4
	110 HPSI	One	7	7	SI-103-H00B			00-2219	
	Discharge				SI-103-H00D			00-2220	
		<u> </u>			SI-103-H00E			00-2221	
				-	SI-218-H001			00-2215	
		†			SI-218-H002			00-2216	
					SI-218-H003			00-2217	-
					SI-218-H004			00-2218	
		Two	7	7	SI-107-H039	· ·· ·		VT-03-637	
		 			SI-107-H041			VT-03-638	
					SI-107-H042			VT-03-639	
		<u> </u>			SI-107-H043			VT-03-640	
		 			SI-107-H044			VT-03-641	
		 			SI-107-H045			VT-03-642	RR #4
					SI-107-H049			VT-03-643	RR #4
		Three	6		SI-103-H00A			VT-05-186	RR #4
		ļ			SI-107-H00A			VT-05-187	RR #4
					SI-110-H00A			VT-05-188	RR #4
					SI-218-H00A			VT-05-189	RR #4
					SI-218-H00B			VT-05-100	RR #4
		-			SI-236-H00B			VT-05-191	RR #4
	111 HPSI	One	3		SI-100-H00A			00-2228	
I									

ASME Item	Zone Comp/Sys	Insp Per	Amt Req	Amt Comp		Vol	Reports Surf	Visual	Remarks
					SI-100-H037			00-2229	
		Two	4	4	SI-236-H001			VT-03-657	RR #4
					SI-236-H002			VT-03-658	RR #4
					SI-236-H003			VT-03-659	RR #4
					SI-236-H004			VT-03-660	RR #4
		Three	3	3	SI-100-H030			VT-05-192	RR #4
					SI-100-H038			VT-05-193	RR #4
					SI-100-H040			VT-05-194	RR #4
	112 HPSI	One	3	3	SI-176-H001			00-2155	
	Discharge				SI-176-H002			00-2443	
					SI-176-H003			00-2156	
		Two	3	3	SI-100-H017			VT-03-613	RR #4
					SI-102-H00A			VT-03-614	RR #4
					SI-102-H00B			VT-03-615	RR #4
		Three	4	4	SI-101-H00A			VT-05-195	RR #4
					SI-101-H00B			VT-05-196	RR #4
		1			SI-101-H00C			VT-05-197	RR #4
		1			SI-101-H00D	<u> </u>		VT-05-198	RR #4
	113 HPSI	One	5	5	SI-107-H022			00-2204	
	Discharge	1			SI-107-H024			00-2205	
					SI-157-H002			00-2206	
					SI-157-H003			00-2207	
					SI-157-H004			00-2208	
	1	Two	4	4	SI-108-H00A			VT-03-616	RR #4
		1			SI-109-H00A			VT-03-617	RR #4
***		<u> </u>			SI-157-H00A			VT-03-618	RR #4
	<u> </u>		<u> </u>	<u> </u>	SI-176-H00A	ļ		VT-03-619	RR #4
		Three	4	4	SI-157-H001		†	VT-05-199	RR #4
				<u> </u>	SI-157-H005			VT-05-200	RR #4
	1			ļ	SI-157-H006	 		VT-05-201	RR #4
				<u> </u>	SI-157-H009			VT-05-202	RR #4
	114 HPSI Loop	Three	2	2	SI-218-H005			VT-06-1035	
	1A & 1B				SI-236-H005			VT-06-1036	RR #4
	115 HPSI Loop	Two	3	3	SI-157-H010			VT-02-076	Deleted
	2A & 2B				SI-157-H011			VT-02-074	
	1				SI-176-H004			VT-02-073	
	116 HPSI A Pump	One	4	4	116-1A	 		00-2554	
	1				116-1B	 		00-2554	<u> </u>
	 				116-1C			00-2554	
	 		_		116-1D	 	 	00-2554	
	117 HPSI Pump B	Two	4	4	117-1A			VT-03-607	
	117 Till Off unip B				117-1B			VT-03-608	
		<u> </u>		 	117-1C	-		VT-03-609	
		<u> </u>			117-1D	 		VT-03-610	
	118 HPSI A Recirc	Three	24	24	SI-106-H002	!		VT-05-203	
	TO THE STA RECITO	111166	 	<u> </u>	SI-106-H002 SI-106-H003			VT-05-203	
	<u> </u>		ļ		SI-106-H003 SI-106-H004			VT-05-204 VT-05-205	
		-			SI-106-H004 SI-106-H005			VT-05-205 VT-05-206	
		 	 	 	I	<u> </u>	<u> </u>		
		 	ļ		SI-106-H006			VT-05-207	
			ļ	<u> </u>	SI-106-H007	<u> </u>		VT-05-208	
		1			SI-106-H008			VT-05-209	DOE DO#1
					SI-106-H008			VT-05-574	PSE, RR #4
				<u> </u>	SI-106-H009			VT-05-210	

ASME. Item	Zone Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
					SI-106-H010			VT-05-211	
					SI-106-H011			VT-05-212	
			ļ		SI-106-H012	<u> </u>		VT-05-213	
-					SI-106-H013			VT-05-214	RR #4
			İ		SI-106-H014			VT-05-215	RR #4
			1		SI-106-H015			VT-05-216	
			1		SI-106-H016			VT-05-217	
					SI-106-H018			VT-05-218	
			1		SI-106-H019			VT-05-219	
					SI-106-H020			VT-05-220	
					SI-106-H021			VT-05-221	
					SI-106-H022			VT-05-223	
					SI-106-H023			VT-05-224	
					SI-106-H024			VT-05-225	
					SI-106-H025			VT-05-226	
		I			SI-106-H026			VT-05-570	
	119 HPSI B Recirc	Three	30	30	SI-114-H001			VT-05-227	RR #4
					SI-114-H002			VT-05-228	RR #4
					SI-114-H003			VT-05-229	RR #4 ::
		,			SI-114-H004			VT-05-230	RR #4
					SI-114-H005			VT-05-231	RR #4
					SI-114-H006			VT-05-232	RR #4
					SI-114-H007			VT-05-233	RR #4
					SI-114-H008			VT-05-234	RR #4
					SI-114-H009			VT-05-235	RR #4
		·			SI-114-H010			VT-05-236	RR #4
					SI-114-H012			VT-05-237	RR #4
					SI-114-H013			VT-05-238	RR #4
					SI-114-H014			VT-05-239	RR #4
					SI-114-H015		-	VT-05-241	RR #4
					SI-114-H016			VT-05-242	RR #4
					SI-114-H017			VT-05-243	RR #4
					SI-114-H018			VT-05-244	RR #4
					SI-114-H021			VT-05-245	RR #4
					SI-114-H022			VT-05-246	RR #4
					SI-114-H025			VT-05-247	RR #4
			,		SI-114-H026			VT-05-248	RR #4
					SI-114-H027			VT-05-249	RR #4
					SI-319-H00A			VT-05-250	
					SI-319-H00B			VT-05-251	
					SI-319-H00C			VT-05-252	
					SI-319-H00D			VT-05-253	
					SI-319-H00E			VT-05-254	
					SI-319-H00F			VT-05-255	
					SI-319-H00G			VT-05-256	/
					SI-319-H00H			VT-05-257	



APPENDIX B

UNIT 2 - REFUELING OUTAGE TWELVE

CODE LIMITATIONS

ASME Item

Zone / Component

ITEM ID

Report Number(s)

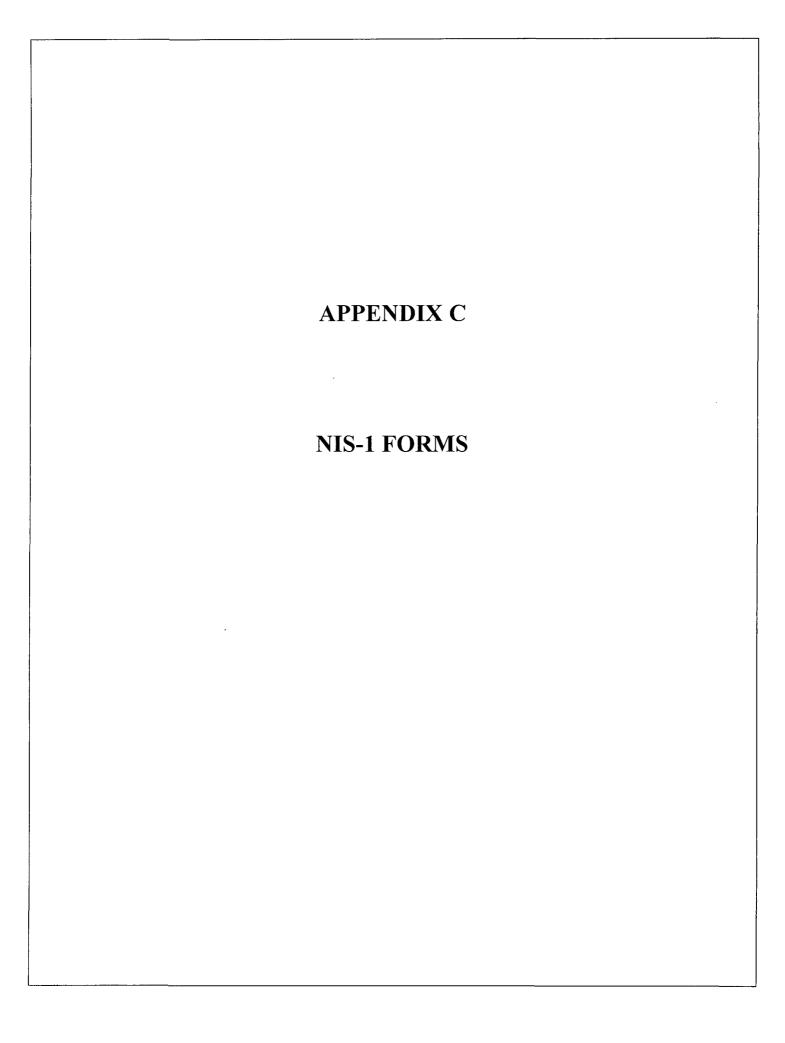
B8.20

5 Pressurizer

5-1

UT-06-088

<u>Limitation</u> The Pressurizer skirt weld UT examination was limited to 85% coverage, due to geometrical configuration.



APS

COMPONENT OR

APPURTENANCE

NIS-1 FORM

OWNERS' DATA REPORT FOR INSERVICE INSPECTIONS

1.	OWNER -	ARIZONA PUBLIC SERVICE COMPANY, et al
	ADDRESS -	P.O. BOX 52034, PHOENIX, ARIZONA 85072
2.	PLANT -	PALO VERDE NUCLEAR GENERATING STATION
	ADDRESS -	5801 SOUTH WINTERSBURG ROAD; TONOPAH, ARIZONA 85354-7529
3.	UNIT NUMBER	2
4.	OWNERS' CERTIFI	CATE OF AUTHORIZATION - NONE
5.	COMMERCIAL SEI	RVICE DATE - September 19, 1986
6.	COMPONENTS INS	SPECTED:

This report is a summary of the second interval third period examinations performed to date for Unit 2. The items examined, along with the examination report numbers, are listed in Appendix A.

SERIAL

NUMBER

MANUFACTURER

OR INSTALLER

NATIONAL BOARD NO

STATE OR

PROVINCE

APS

NIS-1 BACK

OWNERS' DATA REPORT FOR INSERVICE INSPECTIONS

- 7. EXAM DATES <u>5-21-2005</u> TO <u>11-</u>14-2006
- 8. INSPECTION INTERVAL FROM 3-18-1997 TO 3-17-2007
- ABSTRACT OF EXAMINATIONS. INCLUDE A LIST OF EXAMINATIONS AND A STATEMENT CONCERNING STATUS OF WORK REQUIRED FOR CURRENT INTERVAL.

The items examined, along with the examination report numbers, are listed in Appendix A. The examinations are listed by ASME Category and Item Numbers with the corresponding examination report numbers.

10. ABSTRACT OF CONDITIONS NOTED

The one rejectable condition documented during this outage was corrected in accordance with PVNGS work control practices and ASME Section XI. One support was damaged. Section 2 Examination Summary of the summary report addresses this condition.

11. ABSTRACT OF CORRECTIVE MEASURES RECOMMENDED AND TAKEN

The rejectable portion of the support was replaced in accordance with ASME Section XI and APS Work Control procedures.

Several repairs and replacements have been performed since the last summary report due to routine or corrective maintenance. The work was performed in accordance with ASME Section XI and APS Work Control procedures. Applicable NIS-2 forms are included in Appendix D and a copy maintained on file at Palo Verde Nuclear Generating Station by Arizona Public Service Company.

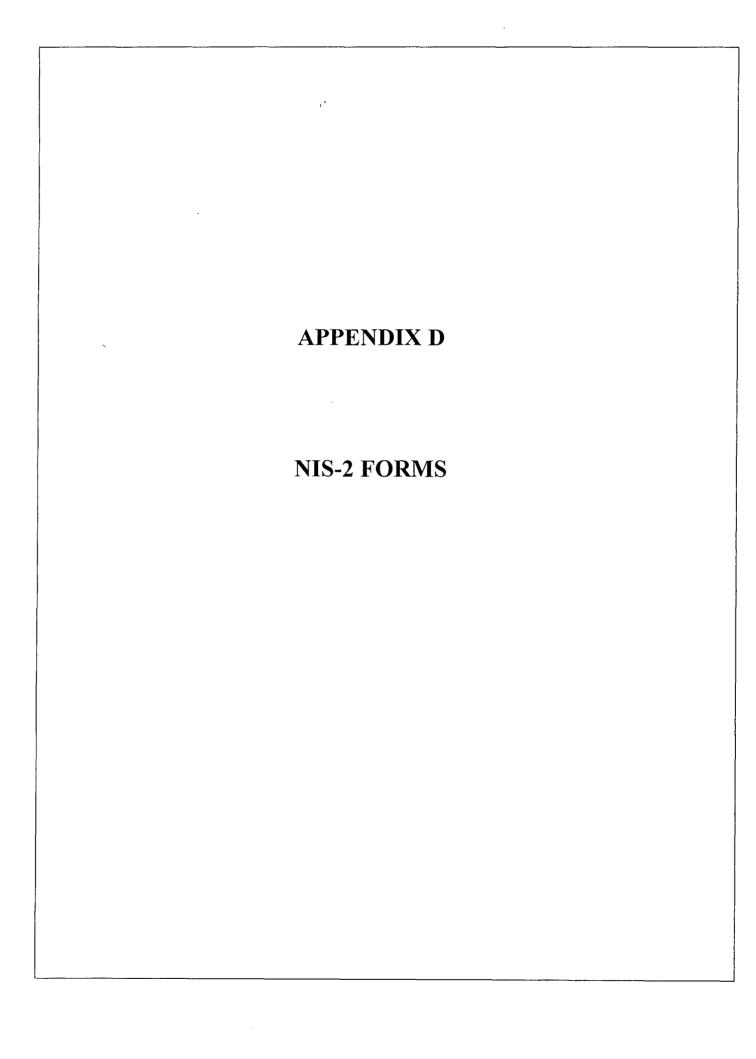
WE CERTIFY THAT THE STATEMENTS MADE IN THIS REPORT ARE CORRECT AND THE EXAMINATIONS AND CORRECTIVE MEASURES TAKEN CONFORM TO THE RULES OF THE ASME CODE, SECTION XI.

DATE <u>2/6/07</u> SIGNED: ARIZONA PUBLIC SERVICE COMPANY

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 HSB CT OF HARTFORD, CONNECTICUT HAVE INSPECTED THE COMPONENTS DESCRIBED IN THIS OWNERS REPORT DURING THE PERIOD <u>5.21.05</u> TO <u>2.6.01</u>, 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 ? Tytom	COMMISSIONS NB 9685 "A.N.I.C" Az 264
()	NAT'L BOARD, STATE, PROVINCE
DATE 2-6-07	



	ASME SECTION	AI – REPAIR / REPI		ura l of 1
1. Component ID <u>2PSIEV1</u> 3. Item Description: <u>Check</u> 5. N-5 Data Package Number 6. Original Construction Code 7. Work Description: <u>Disc</u> 8. SIF law 9. Evaluation of the suitability <u>Disc</u> replacement due to	34 Valve r: 2RC01-3B de Edition: 1974 Edition Edition: 1974 Edition, Value	Winter 1975 Addenda NDE Method of Flaw Do Report Number: equirements of IWA - 4150	Pa 2721742 etection:	nge 1 of 1
10. Repair/Replacement Wo11. Replacement Items Cons	truction or reconciled Cod	e/Edition: Sec. III Cl 2, 19		/
12. Repair/Replacement Act13. ASME Section XI Code/14. Preservice Inspection Re	Edition: 1992 Edition a			.ddenda
Initial Date 10	re Test Required: 20/2006 If required 16. Include ISI & 17. Include 17. Include 18. Include 1	d, include a step in the W.O. YES NO d, include a step in the W.O. de a step in the W.O. to veri ANII prior to approving IN de a step in the W.O. to reco	for ISI & ANII Inspect fy NIS-2 Form has been P525 Status	ction. en completed by
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
Check valve disc	APN 45021077	RS212325-3	MA	MR 1154947
				-
			·	
			 	
18. Planner Signature	Hauf 10	2/20/2006 rinted Name:	Scor R	BAIZE_
- /	SEOTT BAIRE	10/20/2004Printed Name:		Log Entr fol
ANII 25 tyrum Signature			R.Ce. HOGESTRO	~
Signature PV216-08NI (8-88)		Date		73DP-92Z17 Rev 9

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.	engan di Santa Santa Santa	· ·	Date		11/06/06	
'	x 53999, Phoenix,		•	.	Sheet_	1	of	2
2. Plant Palo Ver	de Nuclear Genera				Unit		2	
. :	Wintersburg Rd.,	lame					2721742	
	A	Address		 :			Work Order Number	
3. Work Performed b	y Arizona Public				Type Co	de Syr	mbol Stamp	None
		lame			Authoriz	ation N	lo. N	//A
5801 S.	Wintersburg Rd.,	Fonopah, Az 8	5354-7529		Expiration	n Date	, <u>N</u>	Ά
	O-fT-:	Address	:					
4. Identification of Sy	stem Safety Inj	ection						
5. (a) Applicable Co	nstruction Code ASM	IE Section III	19 <u>74</u>	Edition	W75	Adde	enda, <u>N/A</u>	Code Case
(b) Applicable Edi	ition of Section XI Utiliz	zed for Repairs o	Replacemer	nts 19	92 Edit	ion,	92 Adde	nda
			. '					
6. Identification of Co	omponents Repaired o	r Replaced and R	eplacement (Compo	nents			
Name of	Name of	Manufacturer	National	0	ther	Year	Repaired	ASME Code
Item	Manufacturer	Serial No.	Board No.	Ident	ification	Built	or Replacement	Stamped (Yes or No)
Valve	Borg Warner	31975	1015	2PSI	EV134	1978	Repaired	Yes
Disc - removed	Borg Warner	NA ·	NA	Cod	e 2G68	1978	Replaced	Yes
Disc - installed	Borg Warner	212325-3	NA	, 1	NA	1991	Replacement	Yes
		·						·
is a								7
			_				-	
		·					,	
7. Description of Wor	k Replaced the dis	sc. { note rem	arks on Pag	ge 2}		,		
8. Test Conducted:	Hydrostatic P	neumatic 🔲	Nominal Ope	erating	Pressure		Exempt 🗹	N-416-1 🔲
	Other	Pressure	psi		•	Test Te	emp.	°F
	—	· · · · · · · · · · · · · · · · · · ·	·	~******				-
NOTE				•	 		a1/4\	
	ital sheets in form of ems 1 through 6 on							
	ets is recorded at the							

73DP-9ZZ17

, ioinanto	Work Order 2721742 wa	as utilized to replace th	ne disc with a new one.	
Pre-Pres	sure Test Review: ISI	NAANII	NA	
	C	ERTIFICATE OF	COMPLIANCE	
	fy that the statements mad SME Code, Section XI.	de in the report are co	rrect and this replacement conforepair or replacement	rms to the rules
Type Co	de Symbol Stamp	N/A		
Certifica	te of Authorization No.	7N/A	Expiration Date	N/A
Signed		'L 5	Date 11,	18/06
oigned_	1/0/0/0	per or Owner's Designee, Title		79-5
			RVICE INSPECTION	
Inspecto	dersigned, holding a validers and the State or Province	commission issued by	the National Board of Boiler and P	·
Inspecto of <u>Ha</u>	dersigned, holding a validers and the State or Provincertford, Connecticut,	commission issued by ce of <u>Artiona</u> and nave inspected the cor	the National Board of Boiler and P demployed by <u>HSB CT</u> mponents described in this Owner's	Report during
Inspecto of <u>Ha</u> the perio	dersigned, holding a valid or rs and the State or Province rtford, Connecticut, h d 10-20-06 to	commission issued by ce of <u>Artzona</u> and nave inspected the cor	the National Board of Boiler and P demployed by <u>HSB CT</u> mponents described in this Owner's , and state that to the best of my k	Report during
Inspecto of <u>Ha</u> the perio belief, th	dersigned, holding a valid or rs and the State or Province rtford, Connecticut, h d 10-20-06 to	commission issued by ce of <u>Arizona</u> and nave inspected the cor (1-8 oc xaminations and taken	the National Board of Boiler and Page 1 to the Mational Board of Boiler and Page 2 to the mponents described in this Owner's, and state that to the best of my be corrective measures described in	Report during
Inspecto of <u>Ha</u> the perio belief, th	dersigned, holding a valid or sand the State or Province rtford, Connecticut, had a control of the connection of the con	commission issued by ce of <u>Arizona</u> and nave inspected the cor (1-8 oc xaminations and taken	the National Board of Boiler and Page 1 to the Mational Board of Boiler and Page 2 to the mponents described in this Owner's, and state that to the best of my be corrective measures described in	Report during
Inspecto of <u>Ha</u> the perio belief, th Report in By signir concerni neither th	dersigned, holding a valid or sand the State or Province reford. Connecticut, had 10-20-00 to e Owner has performed expression accordance with the requirement of the examinations and content of the examination of the examinati	commission issued by ce of Actions and the corrective measures decreased by commission issued by commission issued by commission is sued by commission is considered by commission is considered by commission is considered by commission is considered by considered by commission is considered by commission is considered by commission is considered by commission is considered by commission is considered by commission is commission in a commission is commission in a commission is commission in a commission is commission in a commission is commission is commission is commission in a commission is commission in a commission is commission.	the National Board of Boiler and Polemployed by HSB CT mponents described in this Owner's, and state that to the best of my lead to corrective measures described in E Code, Section XI. mployer makes any warranty, expressible of this Owner's Report. Fulling manner for any personal injury of	s Report during knowledge and this Owner's essed or implied urthermore,
Inspecto of <u>Ha</u> the perio belief, th Report in By signir concerni neither th	dersigned, holding a valid or and the State or Province reford. Connecticut, had 10-20-00 to be Owner has performed expression accordance with the requirement of the examinations and cone inspector nor his employed	commission issued by ce of Actions and the corrective measures decreased by commission issued by commission issued by commission is sued by commission is considered by commission is considered by commission is considered by commission is considered by considered by commission is considered by commission is considered by commission is considered by commission is considered by commission is considered by commission is commission in a commission is commission in a commission is commission in a commission is commission in a commission is commission is commission is commission in a commission is commission in a commission is commission.	the National Board of Boiler and Polemployed by HSB CT mponents described in this Owner's, and state that to the best of my lead to corrective measures described in E Code, Section XI. mployer makes any warranty, expressible of this Owner's Report. Fulling manner for any personal injury of	s Report during knowledge and this Owner's essed or implied urthermore,
Inspecto of <u>Ha</u> the perio belief, th Report ir By signir concerni neither th	dersigned, holding a valid or and the State or Province reford. Connecticut, had 10-20-00 to be Owner has performed expression accordance with the requirement of the examinations and cone inspector nor his employed	commission issued by ce of Arizona and nave inspected the corrective measures dependent or connected with the liable in a neg from or connected with the l	the National Board of Boiler and Polemployed by HSB CT mponents described in this Owner's _, and state that to the best of my had corrective measures described in E Code, Section XI. Imployer makes any warranty, expressoribed in this Owner's Report. Further this inspection.	s Report during knowledge and this Owner's essed or implied urthermore,
Inspecto of <u>Ha</u> the perio belief, th Report ir By signir concerni neither th	dersigned, holding a valid or and the State or Province reford. Connecticut, had 10-20-00 to be Owner has performed expression accordance with the requirement of the examinations and cone inspector nor his employed	commission issued by ce of Arizona and nave inspected the corrective measures dependent or connected with the liable in a neg from or connected with the l	the National Board of Boiler and Pd employed by HSB CT mponents described in this Owner's _, and state that to the best of my land corrective measures described in E Code, Section XI. Imployer makes any warranty, expressoribed in this Owner's Report. Fully manner for any personal injury owith this inspection.	Report during knowledge and this Owner's essed or implied urthermore, or property

TIFICATE HOLDERS' DATA REPORT PLACES

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

Manufe	ectured and certified by _E	MALE DESCRIPTIONS INC	PREP DIV. TOS AN	HET CAMPIONS HANDS	7300 F YESTER 197
Manufa	course for ARIZONA PU	BLIC SERVICE 4 MILES S	OUTH OF WINTERSON	G. Williams Shing A	2C2000A 85343
			(name and address of P	architecti	
Locatio	n of installationAPIZON	A PUBLIC SERVICE 4 MIL			G ARITOMA 85343
	70744 PGP P		(forms and ad		
Type:_	76864 NEV.B	SA-182 7316	75,000 PSI	11/2.	1991
				(Cree)	
ASME (Code, Section III, Division	1: 1974 (edition)	RINTER 1975	(ciass)	(Code Case no
E-b-i		C 101. C	E/A Revi	eion M/A	0 WA
Labuca	ted in accordance with Co	Inst, Spec. (DIV. 2 only)	(ne.)	sion	Data
Remark	BE/IP JOB NO.	901-L-2120	PART HAME-	DISK MED STOD	ASSEMBLY
			v.		700
	HUROSTATIC TEST	ING NOT PERFORMED. IDE	CIPICATION IS PER	NCA-6230 IN LIE	OF MARKETATE
			••	•	· · · · · · · · · · · · · · · · · · ·
Nom. tf	nickness (in.) N/A	Min. design thickness (in.) _	T/A Die ID Itt S	in N/A ten	with council (fr & in) W/A
					Inti Constant (Lt. or mir)
When a	pplicable, Cartificate Hold	lers' Data Reports are attache	d for each item of this	report:	
1	Pert or Appurtenance	. National		r Appurtenance	National
}	Serial Number	Board No.	Se	rial Number :	Board No.
i	•	in Numerical Order			in Numerical Order
} .				1	
(7)		1/1	(26)	2 NOOD C	3779
(2)	212325-2	1/2	(27)	O NO COUNTY	ENTS
11.	212225-3	10	(28) - Ot	ALITY DOCUM	1200 3/
(4)_			1 1/291	GE OYXO	
(5)			(30)	GE	
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(16)			(41)		
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(20) _		<u>/</u>	(45)	<u> </u>	
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(22) _			(47)		
(23) _			(48)		
(24)			(49)		
(25) _			(50)		
(43)					

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 % × 11. (2) information in items 2 and 3 on this Data Report

FORM N-2 (Back -- Pg. 2 of __2__)

	Cartificate Holder's Serial Nos. 27.77.5-3 through 23.77.75-3
4.	CERTIFICATION OF DESIGN
٠.	Design specifications certified by WA P.E. State W/A Reg. no. W/A
	Design report® certified by
	CERTIFICATE OF COMPLIANCE
`	We cartify that the statements made in this report are correct and that the (these) DISK AND STID ASSOCIATION OF the ASME Code, Section III, Division 1.
	NPT Certificate of Authorization No. 15-1131 Expires
	(MPT Carallages Holder)
	CERTIFICATE OF INSPECTION
	t, the undersigned, holding a veild commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of CALLPOINTA and employed by ARERPIGHT STORE INS.CO. FACTORY BUTCHE. STORES
	of MOSSICO HASS have inspected these items described in this Data Report on Mossico 27, 1991, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtanences in accordance with the ASME Code, Section
	III, Division 1. Each part listed has been authorized for stamping on the date shown above. By signing this cartificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described.
	in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property demage or list of any kind arising from or connected with this inspection.
	Data 3 129 (9) Signed School Commissions 1275 CA.
	[Next] Bit. (Incl. antereasures) and stage or prov. and re.]

r. O. No. 20003779

OUALITY DOCUMENTS

PAGE 249 of 673

P)-				v	
		ASME SECTION X	I – REPAIR / REPL		
				Page	of of
	1. Component ID <u>2JSIBUV0</u>				
in the second of	2 Item Description: HPSI "		The state of the s	70/200	
	3. N-5 Data Package Number:		4. W.O. Number: <u>2'</u>	<u>/26382</u>	
	5. Original Construction Code6. Original Installation Code		· · · · · · · · · · · · · · · · · · ·		
	7. Work Description: REM			3	
g g artises (**)	0 🖂 101 51		NDE Method of Flaw Det		
	8. \square ISI Flaw ρA		Report Number:		
	9. Evaluation of the suitability		•		
	NO FAILURE OF THE A	ASME BOUNDARY // REII	ISTALLATION OF TAC	K WELD	
	10. Repair/Replacement World	k Organization: Arizona Pu	iblic Service		
	11. Replacement Items Const	•		4 Edition 1975 Winter	Addenda
	12. Repair/Replacement Activ	• * *			
•	13. ASME Section XI Code/I		,		•
	14. Preservice Inspection Req	uired:] YES ⊠ NO		
			_		
	Initial <u>1200</u> Date 8/	<i>'</i>	nclude a step in the W.O.	o perform Preservice I	nspection
	15. ASME Section XI Pressur	re Test Required:] YES 🛛 NO		**
	_			•	
	Initial D Date 8/	If required, is	nclude a step in the W.O.	for ISI & ANII Inspecti	on.
• •	Initial SEO Date 8/	16/06	nclude a step in the W.O. a step in the W.O. to comp		
	Initial <u>LO</u> Date 3 /	16/0 6 16. Include a component for		lete NIS-2 Form prior	
	Initial <u>LO</u> Date 3 /	16. Include a component for	a step in the W.O. to compor permanent service or por a step in the W.O. to recor	elete NIS-2 Form prior ower operation.	to releasing the
		16/0 6 16. Include a component for	a step in the W.O. to compor permanent service or por a step in the W.O. to recor	elete NIS-2 Form prior ower operation.	to releasing the
	Initial <u>LO</u> Date 3 /	16. Include a component for	a step in the W.O. to compor permanent service or por a step in the W.O. to recor	elete NIS-2 Form prior ower operation.	to releasing the
	Initial LO Date 8/ Initial LO Date 8/ Item ID	16. Include a component for the component for th	a step in the W.O. to compor permanent service or por a step in the W.O. to recoritems.	olete NIS-2 Form prior ower operation. d below all applicable r	to releasing the
	Initial LO Date 8/	16. Include a component for the component for th	a step in the W.O. to compor permanent service or por a step in the W.O. to recoritems.	olete NIS-2 Form prior ower operation. d below all applicable r	to releasing the
	Initial LO Date 8/ Initial LO Date 8/ Item ID	16. Include a component for the component for th	a step in the W.O. to compor permanent service or por a step in the W.O. to recoritems.	olete NIS-2 Form prior ower operation. d below all applicable r	to releasing the numbers for repaired or MR/PO/WO No.
	Initial LO Date 8/ Initial LO Date 8/ Item ID NOVE USE	16. Include a component for the component for th	a step in the W.O. to compor permanent service or por a step in the W.O. to recoritems.	olete NIS-2 Form prior ower operation. d below all applicable r	to releasing the numbers for repaired or MR/PO/WO No.
	Initial LO Date 8/ Initial LO Date 8/ Item ID NOVE USE	16. Include a component for the component for th	a step in the W.O. to compor permanent service or por a step in the W.O. to recoritems.	olete NIS-2 Form prior ower operation. d below all applicable r	to releasing the numbers for repaired or MR/PO/WO No.
	Initial LO Date 8/ Initial LO Date 8/ Item ID NOVE USE	16. Include a component for the component for th	a step in the W.O. to compor permanent service or por a step in the W.O. to recoritems.	olete NIS-2 Form prior ower operation. d below all applicable r	to releasing the numbers for repaired or MR/PO/WO No.
	Initial LO Date 8/ Initial LO Date 8/ Item ID NOVE USE	16. Include a component for the component for th	a step in the W.O. to compor permanent service or por a step in the W.O. to recoritems.	olete NIS-2 Form prior ower operation. d below all applicable r	to releasing the numbers for repaired or MR/PO/WO No.
	Initial LO Date 8/ Initial LO Date 8/ Item ID NOVE USE	16. Include a component for the component for th	a step in the W.O. to compor permanent service or por a step in the W.O. to recoritems.	olete NIS-2 Form prior ower operation. d below all applicable r	to releasing the numbers for repaired or MR/PO/WO No.
	Initial LO Date 8/ Initial LO Date 8/ Item ID NOVE USE	16. Include a component for component for component for replacement. Part No.	a step in the W.O. to compor permanent service or por a step in the W.O. to recorditems. Serial No.	elete NIS-2 Form prior ower operation. d below all applicable of the Heat No.	to releasing the numbers for repaired or MR/PO/WO No.
	Initial LO Date 8/ Initial LO Date 8/ Item ID NOVE USE	16. Include a component for component for component for replacement. Part No.	a step in the W.O. to compor permanent service or por a step in the W.O. to recorditems. Serial No.	elete NIS-2 Form prior ower operation. d below all applicable of the Heat No.	to releasing the numbers for repaired or MR/PO/WO No.
	Initial LO Date 8/ Initial LO Date 8/ Item ID NOVE USE	16. Include a component for component for component for replacement. Part No.	a step in the W.O. to compor permanent service or por a step in the W.O. to recorditems. Serial No.	elete NIS-2 Form prior ower operation. d below all applicable of the Heat No.	to releasing the numbers for repaired or MR/PO/WO No.
	Initial LO Date 8/ Initial LO Date 8/ Item ID NOVE USE 18. Planner L Consultation Signature 19. ISI	16. Include a component for component for component for replacement. Part No.	a step in the W.O. to compor permanent service or por a step in the W.O. to recorditems. Serial No.	elete NIS-2 Form prior ower operation. d below all applicable of the Heat No.	to releasing the numbers for repaired or MR/PO/WO No.
	Initial LO Date 8/ Initial LO Date 8/ Item ID NOVE USE 18. Planner LOSSIgnature Signature	16. Include a component for component for component for replacement. Part No.	a step in the W.O. to compor permanent service or por a step in the W.O. to recorditems. Serial No. Printed Name:	C. OSMUND R.P. INDAF	to releasing the numbers for repaired or MR/PO/WO No.
	Initial LO Date 8/ Initial LO Date 8/ Item ID NOVE SE 18. Planner Signature 19. ISI Signature	16. Include a component for component for component for replacement. Part No.	a step in the W.O. to compor permanent service or por a step in the W.O. to recorditems. Serial No. Printed Name:	C. OSMUND R.P. INDAF	to releasing the numbers for repaired or MR/PO/WO No.
	Initial LO Date 8/ Initial LO Date 8/ Item ID NOVE USE 18. Planner L Consultation Signature 19. ISI	16/06 component for component for component for component for replacement Part No. D 16. Include a replacement r	a step in the W.O. to compor permanent service or por a step in the W.O. to recorditems. Serial No. Printed Name: Printed Name:	elete NIS-2 Form prior ower operation. d below all applicable of the Heat No.	to releasing the numbers for repaired or MR/PO/WO No.

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

As Required by the Provisions of the ASME Code Section XI

							·
1. Owner: Arizon	na Public Service (Company, et. al.		Date: <u>08</u>	3/16/2006	1.	
<u>P. O. I</u>	30x 53999, Phoeni	ix Arizona 85072-20	034	Sheet:	<u>1</u> of <u>2</u>		
2. Plant: Palo V	Verde Nuclear Gen	erating Station		Unit: <u>2</u>	• •	•	*. * * .*
<u>5801 S</u>	South Wintersburg	Road., Tonopah, A	rizona 8535	54-7529 Work Ord	ler Number	2726382	
3. Work Performe	ed by: <u>Arizona Publi</u>	c Service		Type of C	Code Stamp	<u>None</u>	-
		,		Authoriza	ition No.	<u>N/A</u>	
				Expiration	n Date <u>N/</u>	A	
4. Identification o	f System: <u>2SI09-3</u>						
5. (a) Applicable	Construction Code 2	ASME Section III NC	C, Class 2	1974 Edition, Winter	1975 Adde	nda, <u>N/A</u> Code	Case
(b) Applicable	Edition of Section 3	XI Utilized for Repairs	s or Replace	ments: 1992 Edition	i, 1992 Ac	ldenda	
6. Identification of	f Components Repai	ired or Replaced and I	Replacement	Components			
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or
2JSIBUV0667	BORG WARNER	57646	N/A	N/A	1980	Repaired	No) YES
	· .						
,	2						
7. Description of V	Vork: <u>REMOVE</u> /	REPLACE BONNE	ET TO YOK	E TACK WELDS	·		
8. Test Conducted:	: · Hydrostatic	Pneumatic] Nomi	nal Operating Pressur	re 🔲 🔝	Exempt 🛛	
N-4	116-2 Other	Pressure psi		Test Ter	nperature	°F	
	:	1			. : :		
inches, (2) info	ormation in items 1	form of lists, sketche thru 6 on this reported at the to of this f	rt is include				

	FORM NIS-2 (Back)
9, I	Remarks Work Order 2726382 to remove and replace bonnet to yoke tack welds
_!	Pre-Pressure Test Review: ISINANA
	CERTIFICATE OF COMPLIANCE
	We certify that the statements made in the report are correct and this repair conforms to the rules of the ASME Code, Section XI.
	Type Code Symbol Stamp N/A
	Certificate of Authorization No, N/A Expiration DateN/A
	Signed D 21 - 211 Date 10-31-06
	Owner or Owner's Designee, Title
Г	
	CERTIFICATE OF INSERVICE INSPECTION
	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 HSB CT
,	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province ofAsia and employed by _HSB CT ofHartford, Connecticut, have inspected the components described in this Owner's Report during
,	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 HSB CT of Hartford, Connecticut, have inspected the components described in this Owner's Report during the period 1-25-06 to 10-31-06, and state that to the best of my knowledge and
,	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Asizona and employed by HSB CT of Hartford, Connecticut, have inspected the components described in this Owner's Report during the period 10-31-06, 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
,	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 HSB CT of Hartford, Connecticut, have inspected the components described in this Owner's Report during the period 2-25-06 to 10-31-06, and state that to the best of my knowledge and
	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Acidos and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-25-06 to 10-31-06 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.
	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Asizona and employed by HSB CT of Hartford, Connecticut, have inspected the components described in this Owner's Report during the period 10-31-06, 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
	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Actaora and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 2-25-06 to 10-31-06 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
	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Actional and employed by HSB CT of Hartford, Connecticut, have inspected the components described in this Owner's Report during the period to 10-31-06, 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,
	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Actional and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 3-25-06 to 0-31-06 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
	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Actional and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 2-25-06 to 0-31-06 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
	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Accordance and employed by HSB CT of Hartford, Connecticut, have inspected the components described in this Owner's Report during the period to to to to to to to to to to to to to
	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Accordance and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 3-25-06 to 10-31-06 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.

PV-E0092 Ver. 7 BACK 73DP-9ZZ17

			Pag	ze tof t			
1. Component ID 2JSIAU	IV0669			3			
2 Item Description: 2 INCH GLOBE VALV (BORG WARNER)							
3. N-5 Data Package Numb		4. W.O. Number:	2726383				
	Code Edition: 1974 Edition,		2720303				
	de Edition: 1974 Edition, W						
	EMOVE/REINSTALL BONN		ELD	**			
8. 🔲 ISI Flaw		NDE Method of Flaw De					
-		Report Number:					
9. Evaluation of the suitab	ility of this work as per the rec	quirements of IWA - 4150:	:				
NO FAILURE OF TH	E ASME BOUNDARY // RE	- NSTALLATION OF TAC	CK WELD				
		,					
10 h 10 h 11	7.10	. 11. 0					
- , -	ork Organization: Arizona l		200				
· · · · · · · · · · · · · · · · · · ·	nstruction or reconciled Code/						
 Repair/Replacement A ASME Section XI Cod 	ctivity Construction Code/Edi		Edition 1975 Winter Ac	<u>idenda</u>			
•							
14. Preservice Inspection I	Required:	☐ YES ☒ NO		the second			
Initial Loo Date 8/17/06 If required, include a step in the W.O. to perform Preservice Inspection							
Initial /// Date	3//7/0 (1) If required.	include a step in the W.O.	to perform Preservice	Inspection			
15. ASME Section XI Pres	ssure Test Required: If required,	YES NO NO include a step in the W.O.	. for ISI & ANII Inspec	tion.			
Initial SEO Date Initial SEO Date Initial SEO Date Initial SEO Date Initial SEO Date	Sure Test Required: If required, 16. Include component	YES NO NO include a step in the W.O. to comfor permanent service or per a step in the W.O. to reco	for ISI & ANII Inspect plete NIS-2 Form prior power operation.	tion. to releasing the			
15. ASME Section XI Presultation Initial SEO Date	If required, 16. Include component 17. Included	YES NO NO include a step in the W.O. to comfor permanent service or per a step in the W.O. to reco	for ISI & ANII Inspect plete NIS-2 Form prior power operation.	tion. to releasing the			
5. ASME Section XI Presential SEO Date	If required. If required, 16. Include component 17. Include replacement	YES NO include a step in the W.O. to comfor permanent service or permanent service or permanent service. Serial No.	for ISI & ANII Inspect oplete NIS-2 Form prior power operation.	tion. to releasing the numbers for repaired or			
5. ASME Section XI Presential SEO Date	If required. S/17/06 If required, 16. Include component 17. Include replacement	YES NO include a step in the W.O. to comfor permanent service or permanent service or permanent. Serial No.	for ISI & ANII Inspect oplete NIS-2 Form prior power operation.	tion. to releasing the numbers for repaired or			
nitial SEO Date	If required: S/17/06 If required, 16. Include component 17. Include replacement Part No.	YES NO include a step in the W.O. to comfor permanent service or permanent service or permanent service. Serial No.	for ISI & ANII Inspect oplete NIS-2 Form prior power operation.	tion. to releasing the numbers for repaired or			
Initial LEO Date	If required: S/17/06 If required, 16. Include component 17. Include replacement Part No.	YES NO include a step in the W.O. to comfor permanent service or permanent service or permanent service. Serial No.	for ISI & ANII Inspect oplete NIS-2 Form prior power operation.	tion. to releasing the numbers for repaired or MR/PO/WO No.			
Initial SEO Date Initial SEO Date Initial SEO Date Initial SEO Date Item ID	If required: S/17/06 If required, 16. Include component 17. Include replacement Part No.	YES NO include a step in the W.O. to comfor permanent service or permanent service or permanent service. Serial No.	for ISI & ANII Inspect oplete NIS-2 Form prior power operation.	tion. to releasing the numbers for repaired or MR/PO/WO No.			
Initial SEO Date Initial SEO Date Initial SEO Date Initial SEO Date Item ID	If required: S/17/06 If required, 16. Include component 17. Include replacement Part No.	YES NO include a step in the W.O. to comfor permanent service or permanent service or permanent service. Serial No.	for ISI & ANII Inspect oplete NIS-2 Form prior power operation.	tion. to releasing the numbers for repaired or MR/PO/WO No.			
Initial Section XI Presential SEO Date Initial SEO Date Item ID	If required: S/17/06 If required, 16. Include component 17. Include replacement Part No.	YES NO include a step in the W.O. to comfor permanent service or permanent service or permanent service. Serial No.	for ISI & ANII Inspect oplete NIS-2 Form prior power operation.	tion. to releasing the numbers for repaired or MR/PO/WO No.			
Initial SEO Date Initial SEO Date Initial SEO Date Initial SEO Date Item ID	If required: 16. Include component 17. Include replacement Part No.	YES NO include a step in the W.O. to comfor permanent service or permanent service or permanent service. Serial No.	for ISI & ANII Inspect oplete NIS-2 Form prior power operation.	tion. to releasing the numbers for repaired or MR/PO/WO No.			
Initial SEO Date Initial SEO Date Initial SEO Date Initial SEO Date Item ID	If required: 16. Include component 17. Include replacement Part No.	YES NO include a step in the W.O. to comfor permanent service or permanent service or permanent service. Serial No.	for ISI & ANII Inspect aplete NIS-2 Form prior power operation. and below all applicable Heat No.	to releasing the numbers for repaired or MR/PO/WO No.			
Initial SEO Date Initial SEO Date Initial SEO Date Initial SEO Date	If required: 16. Include component 17. Include replacement Part No.	YES NO include a step in the W.O. to comfor permanent service or permanent service or permanent service. Serial No.	for ISI & ANII Inspect oplete NIS-2 Form prior power operation.	to releasing the numbers for repaired or MR/PO/WO No.			
Initial Section XI Presentation of the Initial Section XI Presentation of the Initial Section Date Initial Section XI Presentation of the Initial Section of th	ssure Test Required: 2/17/06 16. Include component 17. Include replacement Part No. TACIC WELD undless D	YES NO include a step in the W.O. to comfor permanent service or permane	for ISI & ANII Inspect uplete NIS-2 Form prior power operation. The art No. C. OSMUNDS	to releasing the numbers for repaired or MR/PO/WO No.			
Initial SEO Date Initial SEO Date Initial SEO Date Initial SEO Date Item ID	If required: 16. Include component 17. Include replacement Part No. TACIC WELD 8/2 8/2	YES NO include a step in the W.O. to comfor permanent service or permane	for ISI & ANII Inspect aplete NIS-2 Form prior power operation. and below all applicable Heat No.	to releasing the numbers for repaired or MR/PO/WO No.			
Initial SCO Date Initial SCO Date Initial SCO Date Initial SCO Date Item ID NA 18. Planner Scignature 19. ISI Signature	If required: 16. Include component 17. Include replacement Part No. TACIC WELD 8/2 8/2	YES NO include a step in the W.O. include a step in the W.O. to comfor permanent service or p	for ISI & ANII Inspect aplete NIS-2 Form prior power operation. ord below all applicable Heat No.	to releasing the numbers for repaired or MR/PO/WO No.			
Initial Section XI Presentation Initial Section XI Presentation Initial Section XI Presentation Initial Section Date Initial Section XI Presentation Initial Section Initial	Sure Test Required: 3/17/06 16. Include component 17. Include replacement Part No. ACIC WELD 8/2 D 8-25	YES NO include a step in the W.O. include a step in the W.O. to comfor permanent service or p	for ISI & ANII Inspect uplete NIS-2 Form prior power operation. The art No. C. OSMUNDS	to releasing the numbers for repaired or MR/PO/WO No.			

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

As Required by the Provisions of the ASME Code Section XI

) 1.	1. Owner: Arizona Public Service Company, et. al.					Date: 10/31/2006			
	P. O. Box 53999, Phoenix Arizona 85072-2034				She	Sheet: $\underline{1}$ of $\underline{2}$			
2.	. Plant: Palo Verde Nuclear Generating Station				Uni	Unit: 2			
	5801 South Wintersburg Road., Tonopah, Arizona 85354-7529				7529 Wo	Work Order Number 2726383			
3.	Work Performed	by: <u>Arizona Public S</u>	ervice Co.		Тур	e of Code Sta	amp <u>None</u>		
		5801 S. Wintersb	urg Rd., Tonopah,	Arizona, 85354	1 <u>-7529</u> Aut	Authorization No. N/A			
					Exp	Expiration Date N/A			
4.	4. Identification of System: Safety Injection								
.5.	(a) Applicable Co	onstruction Code AS	ME Section III NC	, Class 2	974 Edition, W	inter 1975 A	ddenda, <u>N/A</u> Cod	e Case	
	(b) Applicable E	dition of Section XI	Utilized for Repairs	s or Replaceme	ents: <u>1992 Edi</u>	ion, 1992 A	ddenda	÷	
6.	Identification of C	Components Repaired	l or Replaced and I	Replacement C	omponents	,			
	Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired or Replacement	ASME Code Stamped	
j	e e e e e e e e e e e e e e e e e e e	·	_					(Yes or NO)	
	Valve	Borg-Warner	28312	N/A	2JSIBHV699	1978	Repaired	YES	
	/								
	- 12 - 12 - 13								
				-				,	
7.	7. Description of Work: Remove/replace bonnet to yoke tack weld.								
8.	8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt N-416-2								
<u></u>	Othe	ure	Test Temperature °F						
			. 1						
Í	NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 ½ X 11 inches, (2) information in items 1 thru 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the to of this form.								

	FORM NIS-2 (Back)
9.	Remarks: WO 2726383 // REMOVE/REPLACE BONNET TO YOKE TACK WELD
•)	
P	re-Pressured Test WO Review – ISI
	ANII /A
i	Certificate of Compliance
	We certify that the statements made in the 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 NoN/AExpiration Date:N/A
	Signed: Not Conser's Designee, Title Date: 10-31-06
3.53 3.53	
	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>HSB CT</u> of <u>Hartford</u> , <u>Connecticut</u> , have inspected the components described in this Owner's report during the period of <u>8-25-06</u> 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: NB 9685 "N" "I" AZ264 Inspectors Signature Commissions: NB 9685 "N" "I" AZ264 National Board, State, Province, and Endorsements

1. Component ID 2MEWAED1 2. Item Description: ESSENTIAL COOLING WATER HEAT EXCHANGER 3. N-5 Data Package Number: 2EW01-1 4. W.O. Number: 2733192 5. Original Construction Code Edition: 1974 Edition, Winter 1975 Addenda 6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda 7. Work Description: Perform base material weld repairs on the Channel Heads and Channel Head Covers of the Essential Cooling Water (EW) Heat exchanger, as identified by Engineering. NDE Method of Flaw Detection: Report Number: Report Number: 9. Evaluation of the suitability of this work as per the requirements of IWA - 4150: Engineering inspection determined weld repairs required prior to re-coating. There was no failure of the pressure boundary. Routing. weld repairs due to Coating Spalling and resulting correction. 10. Repair/Replacement Work Organization: Arizona Public Service 11. Replacement Items Construction or reconciled Code/Edition: Sec. III C13, 1974 Edition 1975 Winter Addenda 12. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 13. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 14. Preservice Inspection Required: YES NO Initial Date Collegia. If required, include a step in the W.O. to perform Preservice Inspection. Initial Date Collegia. If required, include a step in the W.O. for ISI & ANII Inspection. 16. Include a step in the W.O. to verify NIS-2 Form has been completed by ISI & ANII prior to approving INF255 Status. 17. Include a step in the W.O. to record below all applicable numbers for replacement tiems. 18. Planner Date Collegia. Printed Name: Printed Name: Printed Name: R.P. INDAP Log Entry RPF Date Separate Date Printed Name: R.P. INDAP Log Entry RPF Separate Date Printed Name: R.P. INDAP Log Entry RPF Separate Date Printed Name: R.P. INDAP Log Entry RPF Separate Date Printed Name: Report Name: Report Name: Report Name: Report Name: Report Name: Report Name: Report Name: Report Name: Report Name: Report Name: Report Name: Report Name: Report Name: Report Name: Report Name		ASME SECTION	N XI – REPAIR / REP	LACEMENT	
2. Rem Description: ESSENTIAL COOLING WATER HEAT EXCHANGER 3. N.5 Data Package Number: 2001. 3. N.5 Data Package Number: 2001. 4. W.O. Number: 2733192 5. Original Construction Code Edition: 1974 Edition, Winter 1975 Addenda 6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda 7. Work Description: Perform base material weld repairs on the Channel Heads and Channel Head Covers of the Essential Cooling Water (EW) Heat exhanger, as identified by Engineering. 8. ISI Flaw NDE Method of Flaw Detection: Report Number: 9. Evaluation of the suitability of this work as per the requirements of IWA - 4150: Engineering inspection determined weld repairs required prior to re-coating. There was no failure of the pressure boundary. Routhing weld repairs required prior to re-coating. There was no failure of the pressure boundary. Routhing weld repairs required prior to re-coating. There was no failure of the pressure boundary. Routhing weld repairs required prior to re-coating. There was no failure of the pressure boundary. Routhing weld repairs required prior to re-coating. There was no failure of the pressure boundary. Routhing weld repairs required prior to re-coating. There was no failure of the pressure boundary. Routhing weld repairs required prior to re-coating. There was no failure of the pressure boundary. Routhing well and the coating spalling and resulting of the resource of the Essential Cooling with the coating spalling and resulting of the Routhing well and the coating spalling and resulting well and the coating spalling and resulting well and the coating spalling and resulting well and the coating spalling and resulting well and the coating spalling and resulting well and the coating spalling and resulting well and the coating spalling and resulting well and the coating spalling and resulting well and the coating spalling and resulting well and the coating spalling and resulting well and the coating spalling and resulting spalling and resulting spalling and resulting spalling spalling spa				Pa	ge <u> </u> of _\
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5. ASME Section XI Pressure Test Required: YES	4. Preservice Inspection Re	equired:	☐ YES ☒ NO)	
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8. Planner Marie Printed Name: HERBOT L. GROWN 9. ISI Planter Date O ANII To have Date 10-19-06 Printed Name: R-G. Housten		•		Heat No.	MR/PO/WO No
8. Planner 10/9/06 Printed Name: HERBOT L. GROW 9. ISI Pland Printed Name: P-INDAP Log Entry RPF Signature Date 10 ANII 25 July 10 Printed Name: R.G. Vocastron	MEWAE01	N/A	N/A	N/A	N/A
8. Planner Marie Printed Name: HERBERT L. GREW 9. ISI Photon 10/19/06 Printed Name: R.P. INDAP Log Entry RPF 0. ANII 25 Julium 10-19-06 Printed Name: R.G. Macstron Signature Date					
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V216-08NI (8-88) 73DP-9ZZ17 Rev	Signature 20. ANII 25 4	"	Printed Name	R.P. INDA	P Log Entry RPF
来,"我们还是这个物品的数据,你可能能够有效感情况,""这个人,我们就是一个人,我们就是一个人,我们还是一个人,我们还是一个人,我们就是一个人,我们就是一个人, "我们就是我们就是我们就是我们就是我们就是我们就是我们的,我们就是我们的,我们就是我们的,我们就是我们的,我们就是我们的,我们就是我们的,我们就是我们的我们的,	Signature 20. ANII 25 4	"	Date Printed Name Printed Name	R.P. INDA	P Log Entry RPF

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 10/30/06 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 3. Work Performed by Arizona Public Service None Type Code Symbol Stamp Authorization No. 5801 S. Wintersburg Rd., Tonopah, AZ 85354 Expiration Date Spray Pond & 2MEWAE01 4. Identification of System 5. (a) Applicable Construction Code ASME Section III 1974 Edition, W 75 Addenda, NA Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 92 Edition, 92 Addenda 6. Identification of Components Repaired or Replaced and Replacement Components Repaired ASME Code Name of Name of Manufacturer National Year Other Stamped Built Replacement Item Manufacturer Serial No. Board No. Identification (Yes or No) SP/EW Struther Wells Corp 17606329141 14532 1MEWAE01 1979 Repaired Yes

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.

Nominal Operating Pressure

Exempt

Test Temp.

Pneumatic [

Pressure

PV-E0092 Ver. 7

7. Description of Work See remarks on sheet 2.

Other

8. Test Conducted: Hydrostatic

N-416-2

	IS-2 (Back)
9. Remarks: Work Order 2733192 performed base materi	al weld repairs on the Channel Heads and Channel
Head Covers of the "A" Train Essential Cooling Water	
~ A	
Pre-Pressured Test WO Review – ISI	
ANII 25 from	18-23-06
ANII	18-23-06
Certificate of	Compliance
777 416 41 44	
We certify that the statements made in the report are co ASME Code, Section XI.	orrect and this repair conforms to the rules of the
North Code, Good N.	
Type Code Symbol StampN/A	
Certificate of Authorization NoN/A	Expiration Date: N/A
Certificate of Authorization No. 1VA	
Signed:	N/1 Date: 10-30-06
Owner or Owner's Designee, Title	
CERTIFICATE OF INS	ERVICE 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 em	aployed by HSB CT of Hartford, Connecticut, have
inspected the components described in this Owner's re	
to, and state that to the best of examinations and taken corrective measures describe	
requirements of the ASME Code, Section XI.	ed in this Owner's Report in accordance with the
By signing this certificate, neither the Inspector nor his	employer makes any warranty, expressed or implied.
concerning the examinations and corrective measures d	lescribed in this Owner's report. Furthermore, neither
the Inspector nor his employer shall be liable in any ma	
loss of any kind arising from or connected with this insp	pection.
25 L=	C
~~ '\'	Commissions: NB 9685 "N" "I" AZ264 National Board, State, Province, and Endorsements
nspectors Signature	
Date: 10-30-06	

PV-E0092 Ver. 7 Back

	ASME SECTION 2	XI – REPAIR / REPI	LACEMENT	
			Page	eof
1. Component ID 2MCHNI	<u> 02A</u>			
2 Item Description: Pall T	rinty Seal Injection Filter			
3. N-5 Data Package Number		4. W.O. Number:	2776989	
5. Original Construction Co.		The state of the s		
6. Original Installation Code				
7. Work Description: Rep	ace the cover assembly and	=		· ·
8. ISI Flaw		NDE Method of Flaw De Report Number:	etection:	. *
9. Evaluation of the suitabili	ty of this work as per the rec	•		
	E pressure boundary. The co		s worn and needs renlac	ement
140t a fairure of the Asiyi	E pressure boundary. The co	over and bolt licad joint ha	s worn and needs replac	oment.
				1 2 2
10 D.:-i-Ml		D. 11: - C		· (6
10. Repair/Replacement Wo11. Replacement Items Cons	-		74 Edition 1975 Winter	Addenda
12. Repair/Replacement Act				
13. ASME Section XI Code/	· · · · · · · · · · · · · · · · · · ·	•		
14. Preservice Inspection Re	-	☐ YES 🛛 NO		
Initial Dung Date 5		include a step in the W.O.	to perform Preservice I	nspection
15. ASME Section XI Pressu	re Test Required:	☑ YES □ NO		
Initial <u>Mug</u> Date 5		include a step in the W.O.	for ISI & ANII Inspect	ion.
Initial Myg Date 5	- 16. Include	e a step in the W.O. to com	plete NIS-2 Form prior	to releasing the
InitialDate	component			
Initial Myly Date 5	- 7/205 17. Include	e a step in the W.O. to reco	rd below all applicable	numbers for repaired or
Initial Doct Date 3	replacemen	nt items.		
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
Cover assembly	APN 00091023	NPT 32219-1	<u> </u>	MR 982287
Bolts	APN 00050258		26521 MK 12	MR 982287
	\$ 11			
		-		,
		· ·		
		<u></u>	<u> </u>	
18. Planner Land	/ body 5-26	2-05 Printed Name:	David Goodlet	
Signature	D	ate		
19. ISI Phodog	D 6-7-	Printed Name:	R.P. INDA	P Log Entry RE
Signature		ate		
20 ANII 24 L+	·	Dutant 3 Stations	R.G. Houst	'8 AN-
20. ANII Signature		ate Printed Name:		

					·		
l. Owner: Arizo	na Public Service (Company, et. al.	Date	Date: 01/13/06			
<u>P. O. I</u>	Box 53999, Phoeni	x Arizona 85072-	2034	Shee	et: <u>1</u> of	2 .	
2. Plant: Palo V	erde Nuclear Gen	erating Station		Unit	2		,
<u>5801 S</u>	South Wintersburg	Road., Tonopah,	Arizona 853	54-7529 Wor	k Order Nun	nber 2776989	
3. Work Performe	d by: <u>Arizona Publi</u>	Service Co.		Турс	of Code St	amp <u>None</u>	
	5801 S. Winter	sburg Rd., Tonopal	h, Arizona, 85	354-7529 Autl	orization No	o. <u>N/A</u>	
				Expi	ration Date	<u>N/A</u>	
4. Identification o	f System: CH: Che	mical and Volume	Control System	n			
5. (a) Applicable	Construction Code A	ASME Section III N	NC, Class 2	1974 Edition, Wi	nter 1975 A	ddenda, <u>N/A</u> Cod	e Case
(b) Applicable	Edition of Section >	I Utilized for Repa	nirs or Replace	ments: <u>1992 Ed</u>	ition, 1992	Addenda	
6. Identification of	f Components Repai	red or Replaced and	d Replacement	Components	· · · · · · · · · · · · · · · · · · ·		
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired or Replacement	ASME Code
							Stamped (Yes or NO)
Seal Injection Filter	Pall Trinity Micro Corp.	35941	19466	2MCHNF02A	1978	Repaired	Yes
Cover Assembly	Energy Steel & Supply Co.	NPT32219-1	N/A	2MCHNF02A	2005	Replacement	Yes
Bolts	N/A	N/A	N/A	2MCHNF02A	2006	Replacement	No
			•				
7. Description of V	Work: The cover an	d bolt head joint ha	s worn and ne	eds replacement.			
8. Test Conducted	: Hydrostatic	Pneumatic	Nominal O	perating Pressure	⊠ Exe	empt N-4	116-2 🔲
Oth	ner Press	ure— psi—		Tes	t Temperatu	re°F	
ing.		1.			· · · · · · · · · · · · · · · · · · ·		
inches, (2) info	emental sheets in formation in items 1 of sheets is record	thru 6 on this rep	ort is include				

	FORM NIS-2 (Back)					
<u>).</u>	Remarks: W.O. 2776989					
Pre	-Pressure Test Work Order Review: ISI:					
	ANII: NA					
	ANII.					
		_				
	Certificate of Compliance					
	We certify that the statements made in the 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 Expiration Date: N/A /					
	Signed: Isi Enginee Date: 1-13-06 Owner or Owner's Designee, Title					
	CERTIFICATE OF INSERVICE INSPECTION					
l						
	If, 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 HSB CT of Hartford, Connecticut, have inspected the components described in this Owner's report during the period of 6-7-05 to 1-13-06, 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.					
1	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.					
	25 for Commissions: NB 9685 "A,N,1,C" Az 264					
	National Board, State, Province, and Endorsements					
1	Date: 1-13-06	 ,				

PV-E0092 Ver. 7 Back 73DP-9ZZ17. Rev 8

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

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

Not to Exceed One Day's Production

Pg. 1 of 2

Manufactured and certified by	Energy Steel	& Supply Co., 2715 Palda		ls, MI 48326
Arizor	na Public Service Co., Pa	lo Verde Nuclear Generat	the state of the s	AZ 85072-2034
Manufactured for ———————————————————————————————————		(name and address of purchase		
Location of installation	Palo Verde Nuclear Gene	erating Plant, 5801 S. Wir	itersburg Road, To	nopah, AZ 85354
·		(name and address)		
Type1540 Rev. 0	SA240 Tp 304	75	N/A	2005
(drawing no.)	(mat'i, spec. no.)	(tensile strength)	(CRN)	(year built)
ASME Code, Section III, Division 1	ı: <u>1974</u>	<u>Winter 1975</u>	2	N/A
			(class)	(Code Case no.)
Fabricated in accordance with Cor	nst. Spec. (Div. 2 only)	Revision		Date /
		02-132BC24 Rev. C; It	em 3 (P/N 5HD106	50)
PO No. 500291028; APS Pa	art #: 00091023	· · ·		· <u>· · · · · · · · · · · · · · · · · · </u>
Nom. thickness (in.)1.75	Min. design thickness (in.)	1.6875 Dia. ID (ft & in.)	N/A Length	overall (ft & in.) 10.672"
When applicable, Certificate Holds	ers' Data Reports are attached	for each item of this report:		
· · · · · · · · · · · · · · · · · · ·	National			National
Part or Appurtenance	Board No.	Part or App		Board No.
Serial Number	in Numerical Order	Serial No	ımber	in Numerical Order
NDT22240 4	NIA			
(1) NPT32219-1	N/A	(26)		
(2)		(27)		,
(3)	<u> </u>	(28)	:	
(4)		(29)		
(5)		(30)		
(6)		(31)		
(7)		(32)		
(8)		(33)		
(9)		(34)		
(10)		(35)		<u> </u>
(10)		(36)		
(12)		(37)	<u></u>	
(13)		(38)		<u> </u>
(14)		(39)	· · · · · · · · · · · · · · · · · · ·	·
(15)		(40)		· · · · · · · · · · · · · · · · · · ·
(16)		(41)		
(17)	46	(42)		· · · · · · · · · · · · · · · · · · ·
(18)		(43)		
(19)		(44)		
(20)		(45)		
-(21)		(46)		
(22)		(47)		
23)	1	(48)		
501		(49)		
				
Set -		(50)		
	· · · · · · · · · · · · · · · · · · ·	1 1	. i ·	i i

^{*} Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8½ x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM N-2 (Back - Pg 2 of 2)

	Certificate Ho	lder's Serial Nos. NF	T32219-1 through _	NPT32219-1
	CERTIFICATION O	F DESIGN		
Design specifications certified by	N/A (when applicable)	P.E. State _		
Design report* certified by	N/A (when applicable)	P.E. State _	Reg. no.	
	CERTIFICATE OF CO	OMPLIANCE		
We certify that the statements made in this report conforms to the rules of construction of the ASME		636/	embly for Seal Injection	on Filter
NPT Certificate of Authorization No.	N-2928	Expires	June 21, 2008	· · · · · · · · · · · · · · · · · · ·
Date 12/29/05 Name Ene	ergy Steel & Supply Co. (NPT Certificate Holder)	Signed	(authorized representation	ve)
	CERTIFICATE_OF_IN	ISPECTION		
I, the undersigned, holding a valid commission is of MI and employed by			essel Inspectors and the S	State or Province
of <u>Hartford. CT</u> have inspecte best of my knowledge and belief, the Certificate H	d these items describéd in t	his Data Report on <u>De</u>		
III, Division 1. Each part listed has been authorized By signing this certificate, neither the inspector no in ata Report. Furthermore, neither the inspector or loss of any kind arising from or connected with	r his employer makes any water nor his employer shall b	arranty, expressed or imp		
Date Dec. 29,000 Signed Man	thorized Nuclear Inspector)	Commissions	NIIO/O	até or prov. and no l

Page 1. Component ID 2MRCEX02 . Item Description: Reactor Coolant System Pressurizer 3. N-5 Data Package Number: 2RC01-1A 4. W.O. Number: 2788386 5. Original Construction Code Edition: 1971 Edition, Winter 1973 Addenda 6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda 7. Work Description: Remove Pressurizer heater sleeve plugs and install replacement Presurizer heaters 2MRCEA10, 2MRCEB10 and 2MRCEB11 IAW DFWO 2785731 8. ISI Flaw NDE Method of Flaw Detection: Report Number: 9. Evaluation of the suitability of this work as per the requirements of IWA - 4150: The plugs were installed temporarily until suitable replacement heaters were located for permanent installation. 10. Repair/Replacement Work Organization: Arizona Public Service 11. Replacement Items Construction or reconciled Code/Edition: - Sec. III Cl 1, 1971 Edition 1973 Winter Addenda 12. Repair/Replacement Activity Construction Code/Edition: Sec. III Cl 1, 1974 Edition 1975 Winter Addenda 13. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 14. Preservice Inspection Required: ☐ YES \boxtimes NO Initial If required, include a step in the W.O. to perform Preservice Inspection 15. ASME Section XI Pressure Test Required: ⊠ NO YES If required, include a step in the W.O. for ISI & ANII Inspection. Ïnitial 16. Include a step in the W.O. to verify NIS-2 Form has been completed by ISI & ANII prior to approving INP525 Status. 17. Include a step in the W.O. to record below all applicable numbers for replacement items. Item ID Part No. Serial No. Heat No. MR/PO/WO No. N/A 1656 PZR Heater 2MRCEA10 N/A PZR Heater 2MRCEB10 N/A N/A PZR Heater 2MRCEB11 MA N/A 10/10/06 Date Printed Name: HERBERT 1. 6REE. 18. Planner Signature Printed Name: R.G. HOGSTROM 10-12-06 20. ANII

ASME SECTION XI – REPAIR / REPLACEMENT

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 11/01/06 P.O. Box 53999, Phoenix, Arizona 85072-2034 Sheet I Unit ___ 2. Plant Palo Verde Nuclear Generating Station 5801 S. Wintersburg Rd., Tonopah, Arizona 85354-7529 Type Code Symbol Stamp 3. Work Performed by Arizona Public Service Authorization No. 5801 S. Wintersburg Rd., Tonopah, Az 85354-7529 Expiration Date Reactor Coolant 4. Identification of System 5. (a) Applicable Construction Code ASME Section III 1971 Edition, S73 Addenda, N/A Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 92 Edition, 92 Addenda 6. Identification of Components Repaired or Replaced and Replacement Components Repaired **ASME Code** Name of Name of Manufacturer National Other Year Board No. Identification Built Replacement Stamped Item Manufacturer Serial No. (Yes or No) 2MRCEA10 1977 PZR Heater HUICO 1656 NA Replacement Yes · 2MRCEB10 1977 HUICO 1647 NA Replacement PZR Heater Yes PZR Heater 2MRCEB11 1977 Replacement HUICO 1642 NA Yes 7. Description of Work {* note remarks on Page 2} 8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt 🗸 N-416-1 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.,

PV-E0092 Ver, 7 73DP-9ZZ1:

(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.

Remarks	XX 1 0 1 070000C				
riomano	Work Order 2788386	was utilized to perf	orm the replacem	ent of 3 pressurizer he	eaters.
	-				
		· · · · · · · · · · · · · · · · · · ·		·	
ř.					
Pre-Press	ure Test Review: ISI	NA ANII	NA		
		CERTIFICATE	OF COMPLIA	NCE	
[y that the statements n SME Code, Section XI.	nade in the report ar	re correct and this	replacement conformation or replacement	orms to the rules
Type Co	de Symbol Stamp	N/A			<u> </u>
Certificat	e of Authorization No.	N/A		Expiration Date	N/A
Signed_	DBN-	EN 9	1 Title	Date <u>/ /</u>	-1-06
		Owner or Owner a Designed	, 1110		. •
e e	CER	TIFICATE OF IN	SERVICE INS	PECTION	
1. the unc					²ressure Vessel
	lersigned, holding a val	id commission issue	ed by the Nationa	Board of Boiler and F	Pressure Vessel
Inspector		id commission issue	ed by the Nationa _ and employed b	Board of Boiler and F y HSB CT	
Inspector of <u>Har</u>	lersigned, holding a val s and the State or Prov tford, Connecticut	id commission issue vince of <u>Assass</u> , have inspected the	ed by the Nationa and employed be components de	Board of Boiler and F y HSB CT	s Report during
Inspector of Harthe period	lersigned, holding a val is and the State or Prov tford, Connecticut	id commission issue vince of Aarrona , have inspected the	ed by the Nationa and employed be components de , and state	Board of Boiler and F y <u>HSB CT</u> scribed in this Owner's that to the best of my	s Report during knowledge and
Inspector of Har the period belief, the	lersigned, holding a value as and the State or Provetford, Connecticut	id commission issue vince of Assess , have inspected the to u-3-oc I examinations and t	ed by the Nationa and employed be components de , and state aken corrective n	Board of Boiler and F y HSB CT scribed in this Owner's that to the best of my neasures described in	s Report during knowledge and
Inspector of <u>Har</u> the period belief, the	lersigned, holding a value and the State or Provetford, Connecticut decrease of the Connecticut decrease of the Country of the	id commission issue vince of Assess , have inspected the to u-3-oc I examinations and t	ed by the Nationa and employed be components de , and state aken corrective n	Board of Boiler and F y HSB CT scribed in this Owner's that to the best of my neasures described in	s Report during knowledge and
Inspector of Har the period belief, the Report in By signin concerning	lersigned, holding a values and the State or Proventional Connecticut de 12-2-2 e Owner has performed accordance with the resulting the examinations and lespector nor his emitted	id commission issue vince of Aarton A, have inspected the to u-3-oc. I examinations and the aquirements of the A or the Inspector nor hid corrective measurployer shall be liable	ed by the National and employed be components de , and state aken corrective naken corrective naken code, Sectionis employer makes described in the	I Board of Boiler and F y HSB CT scribed in this Owner's that to the best of my neasures described in ion XI. es any warranty, exprais Owner's Report. For any personal injury	s Report during knowledge and this Owner's essed or implied urthermore,
Inspector of Har the period belief, the Report in By signin concerning	lersigned, holding a values and the State or Province Connecticut de 19-12-96 Owner has performed accordance with the resulting the examinations an	id commission issue vince of Aarton A, have inspected the to u-3-oc. I examinations and the aquirements of the A or the Inspector nor hid corrective measurployer shall be liable	ed by the National and employed be components de , and state aken corrective maken Code, Sectionis employer makes described in the	I Board of Boiler and F y HSB CT scribed in this Owner's that to the best of my neasures described in ion XI. es any warranty, exprais Owner's Report. For any personal injury	s Report during knowledge and this Owner's essed or implied urthermore,
Inspector of Har the period belief, the Report in By signin concerning	lersigned, holding a values and the State or Proventional Connecticut de 12-2-2 e Owner has performed accordance with the resulting the examinations and lespector nor his emitted	id commission issued ince of Accessory, have inspected the to u-3-cc. I examinations and the equirements of the Accessor for the Inspector nor had corrective measure ployer shall be liable sing from or connecting the connection of the Accessor for the Inspector nor had corrective measure ployer shall be liable sing from or connecting from or connecting the connection is the connection of the Accessor for the Inspector nor had corrective measure ployer shall be liable sing from or connecting the connection of the Accessor for the Inspector nor connection of the Accessor for the Inspector nor had connected the connection of the Accessor for the Inspector nor had connected the Inspector nor had c	ed by the National and employed be components de, and state taken corrective makes Code, Sections employer makes described in the in any manner for ted with this inspection.	Board of Boiler and F y HSB CT scribed in this Owner's that to the best of my neasures described in ion XI. es any warranty, expressis Owner's Report. For any personal injury esction.	s Report during knowledge and this Owner's essed or implied urthermore,
Inspector of Har the period belief, the Report in By signin concerning	lersigned, holding a values and the State or Proventional Connecticut de 12-2-2 e Owner has performed accordance with the resulting the examinations and lespector nor his emitted	id commission issued ince of Accessory, have inspected the to u-3-cc. I examinations and the equirements of the Accessor for the Inspector nor had corrective measure ployer shall be liable sing from or connecting the connection of the Accessor for the Inspector nor had corrective measure ployer shall be liable sing from or connecting from or connecting the connection is the connection of the Accessor for the Inspector nor had corrective measure ployer shall be liable sing from or connecting the connection of the Accessor for the Inspector nor connection of the Accessor for the Inspector nor had connected the connection of the Accessor for the Inspector nor had connected the Inspector nor had c	ed by the National and employed be components de , and state aken corrective maken corrective makes employer makes described in the in any manner for ted with this inspection.	I Board of Boiler and F y HSB CT scribed in this Owner's that to the best of my neasures described in ion XI. es any warranty, exprais Owner's Report. For any personal injury	s Report during knowledge and this Owner's essed or implied urthermore, or property
Inspector of Har the period belief, the Report in By signin concernin neither th damage	lersigned, holding a value of sand the State or Provented Connecticut of 19-12-96 Owner has performed accordance with the resulting the examinations and le Inspector nor his empor a loss of any kind arise of the control of the control of the examinations and the Inspector of the control of	id commission issued ince of Access to have inspected the to 1-3-00. I examinations and the equirements of the Access the Inspector nor had corrective measure ployer shall be liable sing from or connecting the connection of the Access to the Inspector of the Access to the Inspector of the Inspe	ed by the National and employed be components de , and state aken corrective maken corrective makes employer makes described in the in any manner for ted with this inspection.	I Board of Boiler and F y HSB CT scribed in this Owner's that to the best of my neasures described in ion XI. es any warranty, exprais Owner's Report. For any personal injury ection. A2 264	s Report during knowledge and this Owner's essed or implied urthermore, or property
Inspector of Harthe period belief, the Report in By signin concerning neither the state of the s	lersigned, holding a values and the State or Proventional Connecticut de 12-2-2 e Owner has performed accordance with the resulting the examinations and lespector nor his emitted	id commission issued ince of Access to have inspected the to 1-3-00. I examinations and the equirements of the Access the Inspector nor had corrective measure ployer shall be liable sing from or connecting the connection of the Access to the Inspector of the Access to the Inspector of the Inspe	ed by the National and employed be components de , and state aken corrective maken corrective makes employer makes described in the in any manner for ted with this inspection.	I Board of Boiler and F y HSB CT scribed in this Owner's that to the best of my neasures described in ion XI. es any warranty, exprais Owner's Report. For any personal injury ection. A2 264	s Report during knowledge and this Owner's essed or implied urthermore, or property

PV-E0092 Ver. 7 BACK 73DP-9ZZ17

	ASME SECTION 2	XI – REPAIR / REPI	LACEMENT							
			Pa	ge of						
1. Component ID 2JRCEPS	SV0200			المناه المناه المناه المناه المناه المناه المناه المناه المناه المناه المناه المناه المناه المناه المناه المناه						
. Item Description: <u>Presur</u>										
• • •	3. N-5 Data Package Number: 2RC03-2 4. W.O. Number: 2804257									
 5. Original Construction Code Edition: 1974 Edition, Summer 1975 Addenda 6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda 										
7. Work Description: <u>Repl</u> 8. ☐ ISI Flaw 1	ace the Presurizer Safety Va	alve with a reconditioned s NDE Method of Flaw De								
o. LISI Flaw		Report Number: N/A	etection: N/A							
9. Evaluation of the suitabilit	y of this work as per the rec	•								
`~ .	resure boundary. Spare valv	•	* * * * * * * * * * * * * * * * * * * *	ed to support Vendor						
		ve is like-tor-like replacein	ent and is being replac	ed to support vendor						
testing. The replacement	valve is 514 B 1-14557									
10 Panair/Panlagament Was	de Onnominations - Animona T	Jublia Camilas	en de la companya de la companya de la companya de la companya de la companya de la companya de la companya de La companya de la companya de la companya de la companya de la companya de la companya de la companya de la co							
10. Repair/Replacement Wor11. Replacement Items Const			74 Edition 1975 Summ	per Addenda						
12. Repair/Replacement Acti										
13. ASME Section XI Code/I		•	34.101. 12/3 11 111.01 11	<u>aconcu</u>						
14. Preservice Inspection Rec		☐ YES 🖾 NO								
Initial <u>My G</u> Date <u>9</u>		include a step in the W.O.	to perform Preservice	Inspection						
15. ASME Section XI Pressu	re Test Required:	YES □ NO								
itial MyG Date 9-	3D-C6 If required,	include a step in the W.O.	for ISI & ANII Inspec	tion.						
		a step in the W.O. to com	plete NIS-2 Form prior	to releasing the						
Initial _ VM/25 Date _ I	component	for permanent service or p	ower operation.							
Initial <u>My</u> Date <u>9</u> Initial <u>DMG</u> Date <u>9</u>	17. Include	a step in the W.O. to reco	rd below all applicable	numbers for repaired or						
Initial VIII Date 1	replacemen	t items.								
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.						
2JRCEPSV0200	APN # 45003560	BY-14537	N/A	MR 1098075						
	i e e e e e e e e e e e e e e e e e e e									
avit.										
D And	N Of and		D							
18. Planner Land	Deal 9-30-0		DAWO M.	GOADIES						
18. Planner	Da	ate								
Signature 19. ISI Phodo	P 10-3-0	Printed Name:	DANO M. S R.P. INDAF							
Signature	P 10-3-0	ate								
Signature 19. ISI Phodo	P 10-3-0	Printed Name:		Log Entry						

Owner: Arizo	ona Public Service	Company, et. al.		Date: <u>09/</u>	/30/2006		
<u>P. O.</u>	Box 53999, Phoeni	ix Arizona 85072-20	<u> </u>	Sheet:	<u>1</u> of <u>2</u>		
2. Plant: Palo	Verde Nuclear Gen	erating Station		Unit: <u>2</u>			
<u>5801</u>	South Wintersburg	Road., Tonopah, A	rizona 8535	54-7529 Work Ord	er Numbe	r <u>2804257</u>	
3. Work Perform	ed by: Arizona Public	c Service		Type of Co	ode Stamp	None	
				Authorizat	tion No.	N/A	
				Expiration	Date <u>N</u> /	<u>A</u>	
4. Identification (of System: RC Reac	tor Coolant System					
5. (a) Applicable	Construction Code	ASME Section III NB	Class 1	1974 Edition, Summer	<u>1975</u> Add	enda, <u>N/A</u> Code	: Case
(b) Applicable	e Edition of Section 2	KI Utilized for Repair	s or Replace	ments: 1992 Edition,	<u>. 1992 Ac</u>	<u>ldenda</u>	
6. Identification of	of Components Repai	ired or Replaced and I	Replacement	Components			
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board	Other Identification	Year Built	Repaired or Replacement	ASME Code
			No.				Stamped (Yes or No)
PSV	DRESSER	BY-14537	N/A	2JRCEPSV0200	1991	Replacement	YES
PSV /	DRESSER	BS-08590	N/A	2JRCEPSV0200	1979	Replaced	YES
			·				
	, Par i	er i e e e e e e e e e e e e e e e e e e					
7. Description of	Work: Valve to be	replaced with a rec	onditioned	and tested spare.			
8. Test Conducted	d: Hydrostatic	Pneumatic [Nomi	inal Operating Pressure		Exempt 🗌	
N-	416-2 Other	r Pressurepsi	ĺ	Test Tem	iperature	<u>521</u> °F	- ,
			•				
				ngs may be used pro			
		I thru 6 on this report ded at the to of this i		ed on each sheet, and	(3) eacn	sheet is number	ered

	FORM N	NIS-2 (Ba	ck)
. Remarks: WM 2804257 to repl	ace 2JRCEPSV0200 with	a reconditioned a	nd tested spare.
:			
re-Pressured Test WO Review -	ISI nry-	11-6-06	
	NII 1/2 "		
	Certificate	of Complian	nce
We certify that the statements ASME Code, Section XI.	made in the report are c	orrect and this r	eplacement conforms to the rules of the
Type Code Symbol Stamp	N/A		
Certificate of Authorization N	o. <u>N/A</u>	Е	Expiration Date:N/A
Signed:	EVER		Date:
Owne	r or Owner's Designee, Title		
CERT	IFICATE OF INS	SERVICE II	NSPECTION
		•	nal Board of boiler and Pressure Vessel
inspectors and the State of Pro inspected the components des			B CT of Hartford, Connecticut, have e period of
to 11-9-06,	and state that to the best	of my knowled	ge and belief, the Owner has performed
		bed in this Ow	vner's Report in accordance with the
requirements of the ASME Co	ue, Section A1.		
By signing this certificate, nei	ther the Inspector nor h	is employer mal	kes any warranty, expressed or implied,
concerning the examinations a	nd corrective measures	described in this	s Owner's report. Furthermore, neither
	•		personal injury or property damage or a
loss of any kind arising from o	r connected with this in	spection.	
25 Lytine		Commissions	s: NB 9685 "N" "I" AZ264
(1-		Commissions	National Board, State, Province, and Endorsements

6-08NI (8-88) 73DP-9ZZ17 Rev 9

Inspectors Signature

11-9-06

	ASME SECTION 2	XI – REPAIR / REPI	LACEMENT	I = I
			Pa	ge of
1. Component ID 2JRCEPS				
. Item Description: <u>Presuri</u>				
3. N-5 Data Package Number		4. W.O. Number:	<u>2804258</u>	
5. Original Construction Cod				
6. Original Installation Code		inter 1975 Addenda		
7. Work Description: Repl. 8. ISI Flaw	ace the Flesurizer Safety Va	NDE Method of Flaw De	-	
P A		Report Number: N/A	steetion. 1471	- -
9. Evaluation of the suitabilit	y of this work as per the req	· · · · · · · · · · · · · · · · ·		
No failure of ASME III p	resure boundary. Spare valv	ve is like-for-like replacem	ent and is being replac	ed to support Vendor
testing. The replacement	valve is SN BQ-07679			
10. Repair/Replacement Wor	k Organization: Arizona F	Public Service		
11. Replacement Items Const	ruction or reconciled Code/	Edition: Sec.III Cl 1, 19	774 Edition 1975 Summ	ner Addenda
12. Repair/Replacement Acti			Edition 1975 Winter A	ddenda
13. ASME Section XI Code/I	Edition: 1992 Edition and	d 1992 Addenda		
14. Preservice Inspection Rec	quired:	☐ YES 🖾 NO		
Initial Den & Date 9-	30-% If required,	include a step in the W.O.	to perform Preservice	Inspection
15. ASME Section XI Pressu	re Test Required:			
itial Pung Date 9	77-12/ If required,	include a step in the W.O.	for ISI & ANII Inspec	ction.
		a step in the W.O. to com	mlete NIS-2 Form prio	r to releasing the
Initial <u>P75</u> Date <u>9</u>	component	for permanent service or p		i to rotousing the
Initial Days Date 9-	77. Ol 17. Include	a step in the W.O. to reco	rd below all applicable	numbers for repaired or
	replacement	<u> </u>		
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
2JRCEPSV0201	APN # 45003560	BQ-07679	N/A	MR 1098075
100			<u> </u>	
18. Planner	Dorald 9-30.	Printed Name:	DAWO M.	GODLET
Signature	Da		50-	
19. ISI Signature) 6-3-2006		R.P. INDAF	Log Entry
Signature J				
ANII - Contraction	10 -4 -		R.G. HOGSTROM	1
Signature	Da	ite .		**

Owner: Arizon	na Public Service (Company, et. al.		Date: <u>09/</u>	/30/2006		
<u>P. O. F</u>	<u>30x 53999, Phoeni</u>	ix Arizona 85072-20	<u>034</u>	Sheet:	<u>1</u> of <u>2</u>		
2. Plant: Palo V	Verde Nuclear Gene	erating Station		Unit: <u>2</u>	· · · · · · · · · · · · · · · · · · ·		
<u>5801 S</u>	South Wintersburg	Road., Tonopah, A	<u>rizona 853.</u>	54-7529 Work Ord	ler Number	er <u>2804258</u>	
3. Work Performe	ed by: <u>Arizona Public</u>	<u>c Service</u>		Type of Co	ode Stamr	p <u>None</u>	
				Authorizat	tion No.	<u>N/A</u>	
4. Identification of	of System: <u>RC React</u>	tor Coolant System		Expiration	Date <u>N/</u>	A	
5. (a) Applicable	Construction Code /	ASME Section III NB	, Class 1 1	1974 Edition, Summer	<u>1975</u> Add	lenda, N/A Code	e Case
(b) Applicable	Edition of Section >	(I Utilized for Repair	s or Replace	ements: 1992 Edition,	<u>, 1992 Ad</u>	<u>ldenda</u>	
6. Identification of	f Components Repai	ired or Replaced and I	Replacement	Components			<u> </u>
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)
PSV	DRESSER	BQ-07679	N/A	2JRCEPSV0201	1978	Replacement	YES
PSV /	DRESSER	BS-08566	N/A	2JRCEPSV0201	1978	Replaced	YES
						: :	
	15th						
					<u> </u>		
7. Description of V	Work: Valve to be	replaced with a rec	onditioned	and tested spare.	,		
8. Test Conducted				inal Operating Pressure	≥ ⊠ 1	Exempt	
• N-4	416-2 Other	r Pressure 2130 psi	i	Test Tem	nperature 🕹	52] °F	
*.							
nches, (2) info	ormation in items 1		ort is include	ings may be used pro ed on each sheet, and			

9. Remarks: WM 2804258 to replace 2JRCEPSV0201 with a reconditioned and tested spare.	
일본 회사 그는 그는 이 전 보는 문문을 하는 그 사람이 가지 않는 사람들은 사람이 들었다. 그래 그렇게 되었다.	
Pre-Pressured Test WO Review – ISI	
ANII 47 11-6-06	
	•
Certificate of Compliance	
We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.	
Type Code Symbol StampN/A	
Certificate of Authorization NoN/A Expiration Date:N/A	
Signed:	
Owner or Owner's Designee, Title	
	٠
	1
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 HSB CT of Hartford, Connecticut, have	
inspected the components described in this Owner's report during the period of	
examinations and taken corrective measures described in this Owner's Report in accordance with the	
requirements of the ASME Code, Section XI.	İ
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" "I" AZ264	
National Board, State, Province, and Endorsements	•
Date: 11-9-06	
73DP-9ZZ17	Rev 9

	ASME SECTION :	XI – REPAIR / REPI	ACEMENT	
			Pa	ge of
Component ID 2JRCEPS Item Description: Presure N-5 Data Package Number	zer safety relief valve	4. W.O. Number:	<u> 2804259</u>	
5. Original Construction Cod				
6. Original Installation Code				
7. Work Description: Repl	ace the Presurizer Safety Va			
8. ☐ ISI Flaw P		NDE Method of Flaw De Report Number: N/A	tection: N/A	
9. Evaluation of the suitability				
No failure of ASME III p	resure boundary. Spare valv	ve is like-for-like replaceme	ent and is being replace	ed to support Vendor
testing. The replacement 10. Repair/Replacement Wor 11. Replacement Items Cons	k Organization: <u>Arizona I</u>		74 Edition 1975 Summ	er ∆ddenda
12. Repair/Replacement Acti				
13. ASME Section XI Code/				
14. Preservice Inspection Rec	quired:	☐ YES ☒ NO		
Initial Dmg Date 9	30-06 If required,	include a step in the W.O.	to perform Preservice	Inspection
15. ASME Section XI Pressu	• •	⊠ YES □ NO		
		include a step in the W.O.	for ISI & ANII Inspec	tion.
itial And Date 9 Initial Public Date 9	16. Include component	e a step in the W.O. to compose for permanent service or p	plete NIS-2 Form prior	
Initial May Date 9	17. Include replacemen	e a step in the W.O. to recont items.	rd below all applicable	numbers for repaired or
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
2JRCEPSV0202	APN # 45003560	BQ-07678	N/A	MR 1098075

18. Planner Signature	Dentlet 9-30	Printed Name:	DAVID M.	GOODET
19. ISI Refula	D 10-3-0	Printed Name:	R.P. INDA	Log Entry RPL
). ANII Reference	10-4. Di	Printed Name:	R.G. HOGSTRO	<u>M</u>
PV216-08NI (8-88)				73DP-92Z17 Rev 9

	<u>:</u>				<u> </u>		
Owner: Arizo	na Public Service (Company, et. al.		Date: <u>09/</u>	30/2006		
<u>P. O. I</u>	Box 53999, Phoeni	x Arizona 85072-20	<u>034</u>	Sheet:	<u>1</u> of <u>2</u>		
2. Plant: Palo V	erde Nuclear Gen	erating Station		Unit: <u>2</u>			
<u>5801 S</u>	South Wintersburg	Road., Tonopah, A	rizona 8535	54-7529 Work Ord	er Numbe	r <u>2804259</u>	• •
3. Work Performe	ed by: <u>Arizona Public</u>	<u>Service</u>		Type of C	ode Stamp	None None	
			,	Authorizat	tion No.	<u>N/A</u>	•
				Expiration	Date N/	Α	
4. Identification o	f System: RC Reac	tor Coolant System			2400 24		
5. (a) Applicable	Construction Code 4	ASME Section III NE	B, Class 1	1974 Edition, <u>Summer</u>	<u>1975</u> Add	enda, <u>N/A</u> Code	e Case
(b) Applicable	Edition of Section >	I Utilized for Repair	s or Replace	ments: 1992 Edition,	1992 Ac	ldenda	
6. Identification o	f Components Repai	red or Replaced and l	Replacement	Components			
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired or Replacement	ASME Code
			140.				Stamped (Yes or No)
PSV	DRESSER	BQ-07678	N/A	2JRCEPSV0202	1978	Replacement	YES
PSV /	DRESSER	BS-08592	N/A	2JRCEPSV0202	1979	Replaced	YES
				r.			
							
					,		
-							
7. Description of V	Work: <u>Valve to be</u>	replaced with a rec	onditioned	and tested spare.			
8. Test Conducted	: Hydrostatic	Pneumatic [Nomi	nal Operating Pressure		Exempt	
N-4		Pressure 22130 ps	_			<u>52/</u> ∘ _F	
					. *		
NOTE: C1	amantal al 4			nga may bassasa		-i i- 0 1/ W	1.1
inches, (2) info	ormation in items 1		rt is include	ngs may be used pro ed on each sheet, and			

FORM NIS-2 (Back)
9. Remarks: WM 2804259 to replace 2JRCEPSV0202 with a reconditioned and tested spare.
Pre-Pressured Test WO Review – ISI
ANII 1-1
Certificate of Compliance
We certify that the statements made in the 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 NoN/AExpiration Date:N/A
Signed: Date: Date:
Owner of Owner's Designeet, True
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>HSB CT</u> of <u>Hartford</u> , <u>Connecticut</u> , have inspected the commonants described in this Owner's report during the period of
inspected the components described in this Owner's report during the period of 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.

73DP-9ZZ17 Rev 9

Inspectors Signature

11-9-06

Commissions: NB 9685 "N" "I" AZ264
National Board, State, Province, and Endorsements

ASME SECTION XI – REPAIR / REPLACEMENT					
			Pag	ge of	
1. Component ID 2JRCEPS	V0203				
. Item Description: <u>Presuri</u>					
J. N-5 Data Package Number		4. W.O. Number:	<u>2804260</u>		
5. Original Construction Cod					
6. Original Installation Code		•			
7. Work Description: Replace	ice the Presurizer Safety Va	NDE Method of Flaw De			
8. ISI Flaw		Report Number: N/A	tection: IN/A		
9. Evaluation of the suitabilit	v of this work as ner the rec				
	resure boundary. Spare val	-		ed to support Vendor	
testing. The replacement		ve is tike-tor-tike replacem	ent and is being replace	a to support vendor	
lesting. The replacement	valve is 514 B 1-14556				
10 Dhania/Danlagamant Wor	le Onnamigations - Animona I	Dublic Comics			
 Repair/Replacement Wor Replacement Items Const 			74 Edition 1975 Summ	er Addenda	
12. Repair/Replacement Acti				,	
13. ASME Section XI Code/I			Julion 1979 William	<u></u>	
14. Preservice Inspection Rec		☐ YES 🏻 NO			
<u> </u>			6 5		
Initial Dng Date 9-	•	include a step in the W.O.	to perform Preservice	Inspection	
15. ASME Section XI Pressu	· .	⊠ YES □ NO			
itial <u>8256</u> Date 9-	30 DL If required,	include a step in the W.O.	for ISI & ANII Inspect	ion.	
Initial <u>Mus</u> Date 9	1/ 7 1 1	e a step in the W.O. to com for permanent service or p		to releasing the	
Initial Mas Date 9	-3D-Ob 17. Include replacemen	e a step in the W.O. to recont items.	rd below all applicable	numbers for repaired or	
Item ID		Serial No.	Heat No.	MR/PO/WO No.	
2JRCEPSV0203	APN # 45003560	BY-14538	N/A	MR 1098075	
				<u>'</u>	
		<u> </u>			
	1- 7114			<u>L</u>	
18. Planner Leaf 21.	Doort 9-30.	Printed Name:	DAVID M. G	CODIST	
Signature		ate		•	
19. ISI Ptoda	\mathcal{P} — $-10/3/6$	56 Printed Name:	R.P. INDAF	Log Entry RPP	
Signature		atę			
24 Interne	10-4-	-06	R.G. HOGSTROM	~	
ANII Signature		Printed Name:	K.G. 11000		
3.Bundio			·		

Owner: Arizo	ona Public Service (Company, et. al.	· · · · · · · · · · · · · · · · · · ·	Date: <u>09/</u>	/30/20 <u>06</u>				
		ix Arizona 85072-20	034	Sheet:					
	Verde Nuclear Gen		<u> </u>	Unit: <u>2</u>					
			rizona 853		ler Number	er <u>2804260</u>			
	5801 South Wintersburg Road., Tonopah, Arizona 85354-7529 Work Order Number 2804260 3. Work Performed by: Arizona Public Service Type of Code Stamp None								
J. WUIRICITOM	30 Dy. Milzona i nom	3 Service							
				Authorizat	15.4				
				Expiration	Date N/	A call			
	of System: RC Reac		er en en en en en en en en en en en en en						
and the second		**		1974 Edition, Summer			Case		
				ements: 1992 Edition,	<u>1992 Ad</u>	<u>ldenda</u>			
6. Identification o	of Components Repai	ired or Replaced and F	Replacement	Components	· -				
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired or Replacement	ASME Code Stamped		
	*						(Yes or No)		
PSV	DRESSER	BY-14538	N/A	2JRCEPSV0203	1991	Replacement	YES		
PSV /	DRESSER	BS-08568	N/A	2JRCEPSV0203	1978	Replaced	YES		
10 to 10 to				6					
	i de			:					
							:		
7. Description of	Work: Valve to be	replaced with a reco	onditioned	and tested spare.					
8. Test Conducted	d: Hydrostatic	Pneumatic	☐ Nomi	inal Operating Pressure	. 🔼 J	Exempt [
· N-	416-2 Other	r Pressure Z <u>2130</u> psi	Ĺ	Test Tem	perature 5	52 / °F			
NOTE: Suppl	lemental sheets in f	orm of lists, sketche	es, or drawi	ings may be used pro-	vided (1)	size is 8 ½ X	11		
Jinches, (2) info	formation in items 1		rt is include	ed on each sheet, and					

•	FORM NIS-2 (Back)
Q	Remarks: WM 2804260 to replace 2JRCEPSV0203 with a reconditioned and tested spare.
Pı	e-Pressured Test WO Review – ISI
	ANII dy 11-6-06
	Certificate of Compliance
	We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.
	Type Code Symbol Stamp
-	Certificate of Authorization NoN/A Expiration Date:N/A
	Signed: Date: //-9-04 Owner of 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 HSB CT of Hartford, Connecticut, have
	inspected the components described in this Owner's report during the period of
	examinations and taken corrective measures described in this Owner's Report in accordance with the
- 1	requirements of the ASME Code, Section XI.
- 1	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" "I" AZ264 National Board, State, Province, and Endorsements
1	Inadestara Cimphine

. 216-08NI (8-88) 73DP-9ZZ17 Rev 9

Inspectors Signature

11-9-06

	ASME SECTION	XI – REPAIR / REPL	ACEMENT Pa	ge / of /
1. Component ID <u>2MRCEP</u> (3. Item Description: <u>REAC</u>	TOR COOLANT PUMP			
N-5 Data Package Number5. Original Construction Cod		4. W.O. Number: 2 Winter 1975 Addenda	804290	
6. Original Installation Code				
7. Work Description: Repl.	ace mechanical seals			
8. 🗌 ISI Flaw		NDE Method of Flaw Det Report Number:	ection:	
9. Evaluation of the suitabilit		. The second of the second of		
10. Repair/Replacement Wor 11. Replacement Items Const 12. Repair/Replacement Acti 13. ASME Section XI Code/I 14. Preservice Inspection Rec Initial Date 11- 15. ASME Section XI Pressu itial KA Date 11- Initial Date Initial Da	k Organization: Arizona truction or reconciled Code vity Construction Code/Ed Edition: 1992 Edition ar quired: 106-06 If required re Test Required: 16. Includ ISI &	E/Edition: Sec. III Cl 1, 197	74 Edition 1975 Winter Addition-1975-Winter Addition-1975-Winter Addition-1975 Winter Additio	er Addenda ddenda Inspection tion. n completed by
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
3 rd Stage Seal Retainer	1663509	Q95-1876 -5/N - //	NA	WO 2922322
		·		
1.2000°				
			era seji, r	
18. Planner Ken C		06-06 Printed Name:	KEN AMA	ish L
19. ISI All Signature Signature	S 11.0	Date Printed Name: Date		Log Entry-
). ANII XX fram		Printed Name:	RG HOGSTROM	

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

As Required by the Provisions of the ASME Code Section XI

Owner: Arizo	na Public Service	Company, et. al.		D	ate: 11/06/20	<u>06</u>	
<u>P. O. 1</u>	Box 53999, Phoeni	x Arizona 85072-	-2034	Si Si	neet: <u>1</u> of	2	
2. Plant: Palo Verde Nuclear Generating Station Unit: 2							
<u>5801 S</u>	South Wintersburg	Road., Tonopah,	Arizona 853:	54-7529 W	ork Order Nur	mber <u>2804290</u>	
3. Work Performe	ed by: <u>Arizona Publi</u>	c Service		T	ype of Code St	amp <u>None</u>	
				Α	uthorization No	o. <u>N/A</u>	
				E	spiration Date	<u>N/A</u>	
4. Identification of	f System: RC - Rea	ctor Coolant Syste	<u>m</u>				
5. (a) Applicable	Construction Code 4	ASME Section III N	NB, Class 1	1974 Edition,	Winter 1975 A	ddenda, MA, Co	ode Case
(b) Applicable	Edition of Section 2	I Utilized for Repa	airs or Replace	ments: <u>1992</u>	Edition, 1992	Addenda	
6. Identification o	f Components Repai	red or Replaced an	d Replacement	Components			· · · · · · · · · · · · · · · · · · ·
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identificati	Year Built	Repaired or Replacement	ASME Code
							Stamped (Yes or NO)
Reactor coolant pump P01C	Combustion Engineering	1110-2A	N/A	2MRCEP01	C 1985	Repaired	YES
3 rd stage seal retainer	sulzer	Q95-1876 S/N 11	N/A	2MRCEP010	2006	Replacement	NO
						Į.	
7. Description of	Work: Mechanical	Seal Replacemer	<u>1t</u>			-	
8. Test Conducted	: Hydrostatic	Pneumatic	Nominal O	perating Pressu	ıre 🛛 Exc	empt N-4	116-1 🔲
)	her Press	orm of lists skete	thes or draw			re 52] °F	X 11
	ormation in items 1						

9. Remarks: WO# 2804290 For 2MRCP01C. Mechaical seal replacement as part of normal maintenance. Repalcement seal was rebuilt under WO 2922322

PRE PRESSURE TET: DB1-11-8-06 / 11-8-06

Certificate of Compliance

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

Type Code Symbol Stamp

Certificate of Authorization No. N/A Expiration Date: N/A

Signed: Date: 11-9-06
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

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" "I" AZ264

National Board, State, Province, and Endorsements

	ASME SECTION X	KI – REPAIR / REPI	LACEMENT	1
			Page	e of
 Component ID <u>2MCLEU</u> Item Description: <u>Penetra</u> N-5 Data Package Number 	ation #58 2CL04-1 mar 16-5		<u> 2804334</u>	
5. Original Construction Code6. Original Installation Code				
7. Work Description: Repl		•	ı flance	
8. ISI Flaw 1	ace missing stud (1ea/1 mits	NDE Method of Flaw De	·	•
9. Evaluation of the suitability	y of this work as per the req	Report Number:		
	sure boundary. Bolt and asso			a .
10. Repair/Replacement Wor 11. Replacement Items Cons 12. Repair/Replacement Acti 13. ASME Section XI Code/ 14. Preservice Inspection Rec Initial Date III 15. ASME Section XI Pressu Initial Date III Initial Date III	truction or reconciled Code/ vity Construction Code/Edit Edition: 1992 Edition and quired: Ul-5-6 If required, re Test Required:	Edition: Sec. III Cl 2, 19 ion: Sec. III Cl 2, 1974	to perform Preservice I for ISI & ANII Inspect fy NIS-2 Form has been P525 Status.	nspection ion. completed by
<u></u>		ment items.		
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
1" Stud (Qty 1ea)	APN #43110020	N/A	8979	MR #1161036
1" Nuts (Qty 2ea)	APN #49991287	N/A	REQUERBT	MR #1161036
18. Planner Malling Signature 19. ISI Doug Hansen Signature APIE Not Available 20. ANII Doug Hansen pa		te	Markin J. O.B.H.	Selliven Log Entry 116-06

1. Owner: Arizo	na Public Service	Company, et. al.		Date: <u>11/</u>	<u>/05/06</u>		
<u>P. O.</u>]	Box 53999, Phoeni	x Arizona 85072-20	034	Sheet:	<u>1</u> of <u>2</u> .		
2. Plant: Palo	Verde Nuclear Gen	erating Station		Unit: <u>2</u>			
<u>5801 S</u>	South Wintersburg	Road., Tonopah, A	rizona 8535	54-7529 Work Ord	er Number	2804334	
3. Work Performe	ed by: Arizona Public	c Service		Type of C	ode Stamp	None	
				Authoriza	tion No.	<u>N/A</u>	
				Expiration	Date N/	<u>A</u>	
4. Identification of	of System: <u>CL</u>						
5. (a) Applicable	Construction Code 1	ASME Section III NC	, Class 2	1974 Edition, Winter 1	975 Adde	nda, Cod	e Case
(b) Applicable	Edition of Section 3	KI Utilized for Repair	s or Replace	ments: 1992 Edition.	1992 Ad	ldenda	
6. Identification of	f Components Repai	red or Replaced and I	Replacement	Components			
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or
G. 1 (1)	27/1	NT/ A	N 7/A	ON COL PAGE	2006	D 1	No)
Studs (1ea)	N/A	N/A	N/A	2MCLEU58	2006	Replacement	NO
Nuts (2ea)	N/A	N/A	N/A	2MCLEU58	2006	Replacement	NO
							•
					. 4.		<u>-</u> <u>-</u>
7. Description of	Work: Replace stu	d and nuts in the in	ner flange o	f Pen #58 which we	re mispla	ced during 2R	13
8. Test Conducted	: Hydrostatic	Pneumatic [] Nomi	nal Operating Pressure		Exempt 🛚	
N-	416-2Other	Pressurepsi		Test-Tem	nperature	°F	
inches, (2) info	ormation in items 1		rt is include	ngs may be used pro d on each sheet, and			

FORM NIS-2 (Back)	
9. Remarks: WO #2804334 (2MCLEU58) No failure of ASME pressure boundary. Bolting was misplaced during the 2R13 refueling outage and requires replacement.	
Pre-Pressured Test WO Review – ISI	
ANII /A	
Certificate of Compliance	. *
We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp	
Certificate of Authorization No. N/A Expiration Date: N/A	
Signed: DISU- ENGR Date: 11-6-06 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 <u>Arizona</u> and employed by <u>HSB CT</u> of <u>Hartford, Connecticut</u> , have	
inspected the components described in this Owner's report during the period of to to to the components described in 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.	r
Commissions: NB 9685 "N" "I" AZ264 National Board, State, Province, and Endorsements	
Inspectors Signature Date: 11-6-86	

PV216-08NI (8-88) 73DP-9ZZ17 Rev 9

	ASME SECTION	XI - REPAIR / REPL	ACEMENT	
			Pa	ge\ of\
1. Component ID APPCEV1	37			
2 Item Description: Conical	flange for Refuel pool dr	ain	· .	
3. N-5 Data Package Number:		4. W.O. Number: 2	804352	
5. Original Construction Code	Edition: 1974 Edition,	Winter 1975 Addenda		
6. Original Installation Code				
	l conical flange for fuel pe			
8. ISI Flaw		NDE Method of Flaw Det	ection: N/A	•
		Report Number: N/A		
9. Evaluation of the suitability	· · ·			
Not a failure of the ASME	III pressure boundary. T	This conical flange assembly	is installed only during	ng refuel outages when
fuel pool is going to be fil	led with water.		•	
V				7 ⁴ .
10. Repair/Replacement Worl	Corganization: Arizona	Public Service		•
11. Replacement Items Const	ruction or reconciled Code	e/Edition: Sec. III Cl 2, 197	74 Edition 1975 Winte	er Addenda
12. Repair/Replacement Activ	vity Construction Code/Ed	lition: Sec. III Cl 2, 1974 E	Edition 1975 Winter A	<u>ddenda</u>
13. ASME Section XI Code/E	Edition: 1992 Edition a	nd 1992 Addenda		
14. Preservice Inspection Req	uired:	☐ YES ⊠ NO		
· · · SOR ~ · · · ·	50/2006 If required			•
		d, include a step in the W.O.	to perform Preservice	Inspection
15. ASME Section XI Pressur	-			
Initial Date 09	School If required	d, include a step in the W.O.	for ISI & ANII Inspec	ction.
· · · · lor	/z = /2 = 16. Includ	de a step in the W.O. to comp	olete NIS-2 Form prio	r to releasing the
Initial Date 09	/30/2006 componen	nt for permanent service or po	ower operation.	•
. L. Sol - ~	/30/2006 17. Includ	de a step in the W.O. to recor	d below all applicable	e numbers for repaired or
Initial Date Of	replaceme	nt items.		
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
Conical flange assembly		N/A	N/A	WO 00260377
				- 10 m
//			1.	
18. Planner Signiture	Davy Og	30/2006 Printed Name:	SON R	BRIZE
1 1 1	2		2,2	כד/ ג פ"
9. ISI Signature	7-30	Date Printed Name:	K-C. BROZOWIA	Log Entry Z
V. Signatui¢	•			
20. ANII 75 tyption	a_ 2	لمدار والمتراف والمتحاصين والمرافي	المناصلات المنتوجيني بدوات	
Signature		o-oc Printed Name:	RG. HOLESTR	૦ન

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

As Required by the Provisions of the ASME Code Section XI

1. Owner: Arizo	na Public Service (Company, et. al.			Date: <u>09/</u>	<u> 29/2006</u>		
<u>P. O. J</u>	Box 53999, Phoeni	ix Arizona 85072-20	<u>034</u>		Sheet:	1 of 2	. **	•
2. Plant: Palo V	Verde Nuclear Gen	erating Station	•		Unit: <u>2</u>	•	e di	
<u>5801 S</u>	South Wintersburg	Road., Tonopah, A	rizona 8535	54-7529	Work Orde	er Numbe	r <u>2804352</u>	
3. Work Performe	- ed by: <u>Arizona Publi</u>	c Service	•		Type of Co	ode Stamp	None None	
			,		Authorizat	tion No.	<u>N/A</u>	
-					Expiration	Date N/	ー A	
4. Identification o	of System: PC: Pool	Cooling						
		ASME Section III NC		1974 Editio	n, <u>Winter 1</u>	<u>975</u> Adde	nda,Cod	e Case
		XI Utilized for Repair						
		ired or Replaced and I						•
Name of Item	Name of Manufacture	Manufacturer Serial No.	National	Otl Identif	her	Year	Repaired or Replacement	ASME
Rem	Manuiacture	Seriai ivo.	Board No.	Identii	ication	Built	Acplacement	Code Stamped (Yes or No)
conical flange assembly	N/A	N/A	N/A	APPCEV	137	1990	Replacement	NO
					,			
								-1
	XX							
				,				
7. Description of V		cal flange prior to U	GS pit floo	d up.				
7. Description of V 8. Test Conducted	Work: Install conic		<u>-</u>	od up.	ng Pressure	: ⊠ 1	Exempt 🔲	
8. Test Conducted	Work: <u>Install conic</u> : Hydrostatic		Nomi	_ _	ng Pressure Test Tem		Exempt	
8. Test Conducted	Work: <u>Install conic</u> : Hydrostatic	Pneumatic	Nomi	_ _	_		· -	

and the number of sheets is recorded at the to of this form.

FORM NIS-2 (Back)	
9. Remarks: WO# 2804352 on APPCEV137 installs this conical flange assemble prior to refuel pool flood up. This conical flange assembly was fabricated under WO# 260377 in 1990.	
comed range assembly was tabreated under wow 2003// III 1990.	
Pre-Pressured Test WO Review - ISI NOT DONE - REVIEWED AT TIME OF WIS-Z SIGN	 ა
ANII NOT DONE - REVIEWED AT TIME OF WIS-Z SIG	<u>ہ</u>
	_
Certificate of Compliance	
We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.	
Type Code Symbol StampN/A	
Certificate of Authorization No. N/A Expiration Date: N/A	
Signed: Date: Date:	
CERTIFICATE OF INSERVICE INSPECTION] .
I, the undersigned, holding a valid commission issued by the National Board of boiler and Pressure Vessel Inspectors and the State or Province of <u>Arizona</u> and employed by <u>HSB CT</u> of <u>Hartford, Connecticut</u> , have inspected the components described in this Owner's report during the period of <u>9-30-06</u>	
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: NB 9685 "N" "I" AZ264	
Inspectors Signature National Board, State, Province, and Endorsements	
Date: 10-14-06	

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	ASME SECTION X	XI – REPAIR / REPLA	CEMENT	
			Pag	eof
1. Component ID APPCEV1	38			
2 Item Description: Conical	flange for upper guide stru	cture pit drain.		•
3. N-5 Data Package Number:	2PC04-1	4. W.O. Number: 28	<u>804352</u>	•
5. Original Construction Code	Edition: 1974 Edition, V	Vinter 1975 Addenda		
6. Original Installation Code	Edition: 1974 Edition, Wi	nter 1975 Addenda	. •	
	l conical flange for upper g	uide structure pit flood up.		
8. ISI Flaw		NDE Method of Flaw Dete	ction: N/A	
		Report Number: N/A		
9. Evaluation of the suitability	·			
Not a failure of the ASMI	E III pressure boundary. Th	is conical flange assembly i	s installed only durin	g refuel outages when
UGS pit is going to be fill	ed with water.			
			. ,	
10. Repair/Replacement Worl	-			
11. Replacement Items Consti				
12. Repair/Replacement Activ		·	lition 1975 Winter Ad	<u>ldenda</u>
13. ASME Section XI Code/E	Edition: 1992 Edition and	l 1992 Addenda		•
14. Preservice Inspection Req	uired:	YES NO		
Initial IRB Date 09	/30/2006 If required,	include a step in the W.O. to	perform Preservice	Inspection
15. ASME Section XI Pressur	· •	X YES □ NO		K
//	4. - .	include a step in the W.O. for	or ISI & ANII Inchect	tion
Initial Date O	136/2002 required,	merade a step in the w.o. is	or 151 & Arvir mapeer	non.
Initial Date Of	30/2006 16. Include	a step in the W.O. to compl for permanent service or po	ete NIS-2 Form prior	to releasing the
	1	r		*
Initial Date O	17. Include replacement	a step in the W.O. to record	below all applicable	numbers for repaired or
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
Conical flange assembly	Ture 1100	N/A	N/A	WO 00260377
Conical nange assembly		N/A	IVA	WO 00200377
555				
	· · · · · · · · · · · · · · · · · · ·			*
	,//			
Jan de	8 00/10	n/amt	S. 7	72:
18. Planner Signature	Da Da	0/2006 Printed Name: _	300 11 X	DAIZE
116	9-30-	06	R. L. Brown	Dix
19. ISI Signature		te Printed Name: /	·- · · · · · //////	Log Entry K UZ
<i>a</i> . /				
20. ANII 10 tytus				
Signature	4-3 0-00 Da	Printed Name: _	R.C. HOGSTRO	<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: Arizo	ona Public Service (Company, et. al.		Date:	09/29/2006		
<u>P. O. J</u>	Box 53999, Phoeni	ix Arizona 85072-20	034	Sheet:	: <u>1</u> of <u>2</u>		
2. Plant: Palo V	Verde Nuclear Gene	erating Station		Unit:	2		
<u>5801 S</u>	South Wintersburg	Road., Tonopah, A	rizona 853.	54-7529 Work	Order Number	er <u>2804352</u>	
3. Work Performe	ed by: <u>Arizona Public</u>	c Service		Туре	of Code Stamp	p <u>None</u>	
				Autho	orization No.	<u>N/A</u>	,
4 Identification c	of System: PC: Pool	1 Cooling		Expira	ation Date <u>N/</u>	<u>/A</u>	
	*	ASME Section III NC	C. Class-2	1974 Edition, Wir	ıter 19 <u>75</u> -Adde	endaCod	le Case
		XI Utilized for Repair					
	•	ired or Replaced and I	<u>.</u>		1011	Manage.	
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or
conical flange	N/A	N/A	N/A	APPCEV138	1990	Replacement	No) NO
	*						
7. Description of V		cal flange prior to U Pneumatic		od up. inal Operating Pres	ssure 🏻	Exempt	
N- 4	416-2 Other	r Pressure psi		Test	Temperature	°F	
inches, (2) info	ormation in items 1	form of lists, sketche I thru 6 on this reported ded at the to of this f	ort is include	ed on each sheet,			

は一個なるというない。

FORM NIS-2 (Back)	
9. Remarks: WO# 2804352 on APPCEV138 installs this conical flange assemble prior to UGS pit flood up.	This conical
flange assembly was fabricated under WO# 260377 in 1990.	
Pre-Pressured Test WO Review - ISI DONE AT NIS-Z SIGN OFF	
ANII DONE AT WIS-2 SIGN OFF	
Certificate of Compliance	
We certify that the statements made in the report are correct and this replacement conforms to the	rules of the
ASME Code, Section XI.	rules of the
Type Code Symbol StampN/A	
Certificate of Authorization No. N/A Expiration Date: N/A	'A
1/2	
Signed: Date: 10/14/06 Owner or Owner's Designee, Title	
L	
CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of boiler and Pres	ssure Vessel
Inspectors and the State or Province of Arizona and employed by HSB CT of Hartford, Conne	ecticut, have
inspected the components described in this Owner's report during the period of 4-30-06 to 10-14-06, and state that to the best of my knowledge and belief, the Owner has	
examinations and taken corrective measures described in this Owner's Report in accordance	
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. Furthern	nore, neither
the Inspector nor his employer shall be liable in any manner for any personal injury or property closs of any kind arising from or connected with this inspection.	damage or a
2h dit	
Commissions: NB 9685 "N" "I" AZ264 National Board, State, Province, ar	
Inspectors Signature	
Date: 10-14-06	

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	ASME SECTION	XI – REPAIR / REF	PLACEMENT	
			Pa	ge <u>1</u> of 2
1. Component ID 2JSGEPS	<u>V0559</u>			*
2 Item Description: Main S	Steam Safety Valve; Dress	er 6" 3707RAX-RT-25; 13	315 psig	
N-5 Data Package Number		4. W.O. Number	: <u>2804353</u>	
Original Construction Cod				
6. Original Installation Code				
7. Work Description: Repl	lacement of main steam sa			
8. 🔲 ISI Flaw		NDE Method of Flaw I	Detection: n/a	
O Taxaluation of the quitabili	ty of this work as nor the r	Report Number: n/a	0.	
9. Evaluation of the suitabili	•			
	E III pressure boundary. S	pare valve is a like-for-like	e replacement and is being	ng replaced based
upon trevitesting.				
				· · · · · · · · · · · · · · · · · · · ·
· ·				
10. Repair/Replacement Wor	-			
11. Replacement Items Cons	•			
 Repair/Replacement Action ASME Section XI Code/ 		•	4 Edition 19/5 Winter A	ddenda
		and 1992 Addenda		
14. Preservice Inspection Rec	quired:	☐ YES)	
Initial Duff Date 9	-25-06 If required	d, include a step in the W.	O. to perform Preservice	Inspection
15. ASME Section XI Pressu	re Test Required:	⊠ YES □ N	O	
Initial Purp Date 9	-25-06 If required	d, include a step in the W.0	O. for ISI & ANII Inspec	ction.
Initial Dung Date 9	16. Include componer	de a step in the W.O. to cont.	mplete NIS-2 Form prio	r to releasing the
Initial Buff Date 9	-25-06 17. Include replacement	de a step in the W.O. to recent items.	cord below all applicable	e numbers for repaired or
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
2JSGEPSV0559	APN 45003638	BS-08624	N/A	MR 2801149200
2330IM 6 4 6333	AIT 45005058	D3-00024	IVA	
				-1477 - 23,50
	*: 			
		4		
8. Planner Signature		5-06 Printed Name	e: <u>David Goodlet</u>	
9. ISI Ponda	}	Printed Name	R.P. INDA	P Log Entry RPP
Signature -		Date		
0. ANII 20 12			-	
.U. MINI	9-3.	o-oc Printed Name	RG. HOGSTROM	

ASME SECTION XI – REPAIR / REPLACEMENT Page 1. Component ID 2JSGEPSV0573 2.. Item Description: Main Steam Safety Valve; Dresser 6" 3707RAX-RT-25; 1290 psig 3. N-5 Data Package Number: 2SG01-1A 4. W.O. Number: 2804353 5. Original Construction Code Edition: 1974 Edition, Summer 1975 Addenda 6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda 7. Work Description: Replacement of main steam safety valve with a reconditioned and tested spare. 8. I ISI Flaw NDE Method of Flaw Detection: n/a Report Number: n/a 9. Evaluation of the suitability of this work as per the requirements of IWA - 4150: Not a failure in the ASME III pressure boundary. Spare valve is a like-for-like replacement and is being replaced based upon trevitesting. 10. Repair/Replacement Work Organization: Arizona Public Service 11. Replacement Items Construction or reconciled Code/Edition: Sec. III Cl 2, 1974 Edition Summer 1975 Addenda 12. Repair/Replacement Activity Construction Code/Edition: Sec. III Cl 2, 1974 Edition 1975 Winter Addenda 13. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 14. Preservice Inspection Required: ⊠ NO ☐ YES Initial May Date 9-25-D6 If required, include a step in the W.O. to perform Preservice Inspection 15. ASME Section XI Pressure Test Required: □ мо If required, include a step in the W.O. for ISI & ANII Inspection. Initial May Date 9:75-06 16. Include a step in the W.O. to complete NIS-2 Form prior to releasing the __ Date 9:35-D6 component. __ Date _ 9-25-DX 17. Include a step in the W.O. to record below all applicable numbers for repaired or replacement items. Item ID Part No. Serial No. Heat No. MR/PO/WO No. MR 1149865 2JSGEPSV0573 APN 45003639 BS-08623 N/A 18. Planner Printed Name: David Goodlet Signature 9/28/06 Printed Name: R.P. INDAP Log Entry RPP 19. ISI Printed Name: RG HOGSTROM 9-30-06

na Public Service (Company, et. al.		Date:	11/06/06		
iox 53999, Phoeni	x Arizona 85072-	<u>-2034</u>	Sheet	. <u>1</u> of	<u>2</u>	
erde Nuclear Gene	erating Station		Unit:	<u>2</u>		
outh Wintersburg	Road., Tonopah,	Arizona 8535	<u>54-7529</u> Work	Order Nun	mber 2804353	
d by: Arizona Public	Service Co.		Type	of Code Sta	amp <u>None</u>	
5801 S. Winter	sburg Rd., Tonopal	h, Arizona, 85?	354-7529 Autho	orization No	o. <u>N/A</u>	
			Expir	ation Date	<u>N/A</u>	
System: SG – Ma	in Steam				er a transfer	
Construction Code /	ASME Section III 1	NC, Class 2	1974 Edition, Sum	imer 1975 /	Addenda, <u>N/A</u> Co	ide Case
Edition of Section X	(I Utilized for Repa	airs or Replace	ments: 1992 Edi	tion, 1992	Addenda	
Components Repair	red or Replaced an	d Replacement	Components	· · · · · · · · · · · · · · · · · · ·		
Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired or Replacement	ASME Code Stamped
						(Yes or NO)
Dresser	BS-08613	N/A	2JSGEPSV559	1980	Replaced	Yes
Dresser	BS-08624	N/A	2JSGEPSV559	1981	Replacement	Yes
Dresser	BS-08574	N/A	2JSGEPSV573	1978	Replaced	Yes
Dresser	BS-08623	N/A	2JSGEPSV573	1981	Replacement	Yes
			7 2 2 2 2			
/ork: Replaced three	ee main steam safet	ty valves with	reconditioned & te	ested spares	<u>i.</u>	
Hydrostatic	Pneumatic	Nominal Or	perating Pressure	⊠ Ex∈	empt N-4	416-2 🗌
er Pressu	112153 psi		Test	Temperatu	re°F	
				:		
rmation in items 1	thru 6 on this rep	port is include				
	erde Nuclear Generation Wintersburg de by: Arizona Publica 5801 S. Winters System: SG – Mai Construction Code A Edition of Section X Components Repair Name of Manufacture Dresser Dresser Dresser Dresser Dresser Hydrostatic Pressure mental sheets in formation in items 1	outh Wintersburg Road., Tonopah, d by: Arizona Public Service Co. 5801 S. Wintersburg Rd., Tonopal System: SG – Main Steam Construction Code ASME Section III N Edition of Section XI Utilized for Repaired or Replaced and Components Repaired or Replaced and Name of Manufacturer Serial No. Dresser BS-08613 Dresser BS-08624 Dresser BS-08623 Fork: Replaced three main steam safet Hydrostatic Pneumatic Pressur 2/15/3 psi mental sheets in form of lists, sketcemation in items 1 thru 6 on this rep	erde Nuclear Generating Station outh Wintersburg Road., Tonopah, Arizona 8535 d by: Arizona Public Service Co. 5801 S. Wintersburg Rd., Tonopah, Arizona, 853 Construction Code ASME Section III NC, Class 2 Edition of Section XI Utilized for Repairs or Replaced. Components Repaired or Replaced and Replacement Name of Manufacturer Serial No. Dresser BS-08613 N/A Dresser BS-08624 N/A Dresser BS-08624 N/A Dresser BS-08623 N/A Vork: Replaced three main steam safety valves with resulting the state of the st	Sheet: Serial No. Serial No. Serial No.	Sheet: 1 of erde Nuclear Generating Station Outh Wintersburg Road., Tonopah, Arizona 85354-7529 By Arizona Public Service Co. Station Arizona Public Service Co. Type of Code Station Authorization Note Expiration Date System: SG – Main Steam Construction Code ASME Section III NC, Class 2 1974 Edition, Summer 1975 A Edition of Section XI Utilized for Repairs or Replacements: 1992 Edition, 1992 Components Repaired or Replaced and Replacement Components Name of Manufacturer National Other Board No. Identification Built Dresser BS-08613 N/A 2JSGEPSV559 1980 Dresser BS-08624 N/A 2JSGEPSV559 1981 Dresser BS-08623 N/A 2JSGEPSV573 1978 Dresser BS-08623 N/A 2JSGEPSV573 1981 Avork: Replaced three main steam safety valves with reconditioned & tested spares Hydrostatic Pneumatic Nominal Operating Pressure Exercipe Pressure Exercipe Pressure Exercipe Pressure Exercipe Pressure Exercipe Pressure Exercipe Pressure Exercipe Pressure Exercipe Pressure Exercipe Pressure Exercipe Pressure Exercipe Pressure Exercipe Pressure Exercipe Pressure Exercipe Pressure Pre	Sheet: 1 of 2 erde Nuclear Generating Station Unit: 2 outh Wintersburg Road., Tonopah, Arizona 85354-7529 d by: Arizona Public Service Co. 5801 S. Wintersburg Rd., Tonopah, Arizona, 85354-7529 Authorization No. N/A Expiration Date N/A System: SG - Main Steam Construction Code ASME Section III NC; Class 2 — 1974 Edition, Summer 1975 Addenda, N/A Co Edition of Section XI Utilized for Repairs or Replacements: 1992 Edition, 1992 Addenda Components Repaired or Replaced and Replacement Components Name of Manufacturer National Other Board No. Dresser BS-08613 N/A 2JSGEPSV559 1980 Replacement Dresser BS-08624 N/A 2JSGEPSV559 1981 Replacement Dresser BS-08574 N/A 2JSGEPSV559 1981 Replacement Dresser BS-08574 N/A 2JSGEPSV573 1978 Replaced Dresser BS-08623 N/A 2JSGEPSV573 1981 Replacement Pressur Also psi Pressure Exempt N-4 Exempt N-4 Pressur Also psi Test Temperature FE Menutal sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 ½ 2 menutal sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 ½ 2 menutal sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 ½ 2 menutal sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 ½ 2 menutal sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 ½ 2 menutal sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 ½ 2

	FORM NIS-2 (Back)
9.	Remarks: WO# 2804353 will be used to replace Main Steam Safety Valve 2JSGEPSV0559 & 573 with reconditioned
	and tested spares during 2R13.
Pr	re-Pressured Test WO Review – ISI 11-6-06
	ANII 4 11-6-06
	Certificate of Compliance
	We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.
	Type Code Symbol Stamp
	Certificate of Authorization No. N/A Expiration Date: N/A Signed: Date: 1/-10-06
-	Signed: Date: Date:
I	
	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 HSB CT of Hartford, Connecticut, have inspected the components described in this Owner's report during the period of
	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" "I" AZ264 National Board, State, Province, and Endorsements
	Date: 11-10-06

1. Component ID <u>2PSPAL098</u> 2 Item Description: <u>jacket water heat exchanger inlet elbow</u> 3. N-5 Data Package Number: <u>2SP01-2</u> 4. W.O. Number: <u>2804562</u> 5. Original Construction Code Edition: <u>1974 Edition, Summer 1975 Addenda</u>	of
 Item Description: jacket water heat exchanger inlet elbow N-5 Data Package Number: <u>2SP01-2</u> W.O. Number: <u>2804562</u> Original Construction Code Edition: <u>1974 Edition, Summer 1975 Addenda</u> 	
 N-5 Data Package Number: <u>2SP01-2</u> Original Construction Code Edition: <u>1974 Edition, Summer 1975 Addenda</u> 	
5. Original Construction Code Edition: 1974 Edition, Summer 1975 Addenda	
6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda	
7. Work Description: Weld repair of the flanged area due to corrosion.	
8. ISI Flaw NDE Method of Flaw Detection:	
Report Number:	
9. Evaluation of the suitability of this work as per the requirements of IWA - 4150:	
Periodic weld build up of corroded area of the elbow due to coating unbonding. After weld build up, fresh coa	ting will be
applied.	•
10. Repair/Replacement Work Organization: Arizona Public Service	
11. Replacement-Items Construction or reconciled Code/Edition:—Sec. III Cl.3, 1974 Edition 1975 Summer Adde	nda
12. Repair/Replacement Activity Construction Code/Edition: Sec. III Cl 3, 1974 Edition 1975 Winter Addenda	
13. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda	
14. Preservice Inspection Required: ☐ YES ☒ NO	
Initial Date 10-19-06 If required, include a step in the W.O. to perform Preservice Inspecti	on
15. ASME Section XI Pressure Test Required: XYES NO	
Initial Date 10-19-06 If required, include a step in the W.O. for ISI & ANII Inspection.	
16. Include a step in the W.O. to complete NIS-2 Form prior to release	sing the
component for permanent service or power operation.	
Initial Date 10-18-16 17. Include a step in the W.O. to record below all applicable number replacement items.	s for repaired or
replacement items.	
	/PO/WO No.
Item ID Part No. Serial No. Heat No. MR	/ PO/WO No. 2804562
Item IDPart No.Serial No.Heat No.MR2PSPAL098N/A2SP098S003WO	
Item IDPart No.Serial No.Heat No.MR2PSPAL098N/A2SP098S003WO	2804562
Item ID Part No. Serial No. Heat No. MR 2PSPAL098 N/A 2SP098S003 WO 2PSPAL098 N/A 2SP098S004 WO	2804562
Item ID Part No. Serial No. Heat No. MR 2PSPAL098 N/A 2SP098S003 WO 2PSPAL098 N/A 2SP098S004 WO	2804562
Item ID Part No. Serial No. Heat No. MR 2PSPAL098 N/A 2SP098S003 WO 2PSPAL098 N/A 2SP098S004 WO	2804562
Item ID Part No. Serial No. Heat No. MR 2PSPAL098 N/A 2SP098S003 WO 2PSPAL098 N/A 2SP098S004 WO	2804562
Item ID Part No. Serial No. Heat No. MR 2PSPAL098 N/A 2SP098S003 WO 2PSPAL098 N/A 2SP098S004 WO	2804562
Item ID Part No. Serial No. Heat No. MR 2PSPAL098 N/A 2SP098S003 WO 2PSPAL098 N/A 2SP098S004 WO 18. Planner Markin Soll-1	2804562 2804562
Item ID Part No. Serial No. Heat No. MR 2PSPAL098 N/A 2SP098S003 WO 2PSPAL098 N/A 2SP098S004 WO 18. Planner Markin Soll-1 Signature Date Date	2804562 2804562
Item ID	2804562 2804562
Item ID Part No. Serial No. Heat No. MR 2PSPAL098 N/A 2SP098S003 WO 2PSPAL098 N/A 2SP098S004 WO 18. Planner Markin Soll-1 Signature Date Date	2804562 2804562
Item ID	2804562 2804562

in the second

	ASME SECTION X	I – REPAIR / REP	•	ge <u>2</u> of <u>2</u>				
 Component ID <u>2MDGAE</u> Item Description: <u>Jacket</u> N-5 Data Package Number Original Construction Code Original Installation Code 	water cooler : 2DG01-2 le Edition: 1974 Edition, S		: <u>2804562</u>					
7. Work Description: <u>REP</u> 8. ☐ ISI Flaw			Detection:					
9. Evaluation of the suitabili				ed				
Repair of base material c	aused by coating degredation	thus causing subsequer	nt corrosion. Weld repair	r to be cover by				
Repair of base material caused by coating degredation thus causing subsequent corrosion. Weld repair to be cover by coatings. 10. Repair/Replacement Work Organization: Arizona Public Service 11. Replacement Items Construction or reconciled Code/Edition: Sec. III Cl 3, 1974 Edition 1976 Summer Addenda 12. Repair/Replacement Activity Construction Code/Edition: Sec. III Cl 3, 1974 Edition 1975 Winter Addenda 13. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 14. Preservice Inspection Required: YES NO Initial Date O-G-O If required, include a step in the W.O. to perform Preservice Inspection 15. ASME Section XI Pressure Test Required: YES NO Initial Date O-G-O If required, include a step in the W.O. for ISI & ANII Inspection. 16. Include a step in the W.O. to verify NIS-2 Form has been completed by ISI & ANII prior to approving INP525 Status. 17. Include a step in the W.O. to record below all applicable numbers for replacement items.								
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.				
2MDGAE05	4-500-19-515-001	9D702	N/A	WO 2804562				
18. Planner Males Signature 19. ISI Photo Signature	1 held 10-19. Da 10/20	Printed Name te Printed Name te	Martin T. R.P. INDAL	Solling on Log Entry RP2				
20. ANII 25 Signature PVZ16-08NI (8-88)	10 - 20 Da	Printed Name	: R.G. HOGSTRO	73DF-9ZZ17 Rev 9				

FORM	NIS-2 OWNE As Required t						MENTS			
1. Owner <u>Arizona</u>	Public Service Co	mpany, et. al.		Date		10/30/06				
	x 53999, Phoenix,		2-2034	Sheet_	1	of	2			
2. Plant Palo Ver	rde Nuclear Genera			Unit		2				
<u>5801 S.</u>	Wintersburg Rd.,	Tonopah, Arizo Address	ona 85354-	7529		2804562 Work Order Number				
3. Work Performed b	y Arizona Public	Service Jame	,			nbol Stamp	None			
5801 S	Authorization No. N/A 5801 S. Wintersburg Rd., Tonopah, AZ 85354 Expiration Date N/A									
3001 3.	A	ddress		Expiration	ni Dale					
4. Identification of Sy	stemSpray Por	nd & 2PSPAL	098				<u> </u>			
5. (a) Applicable Co	nstruction Code ASM	ME Section III	19 74	Edition, W 75	Adde	enda, <u>NA</u>	Code Case			
(b) Applicable Ed	ition of Section XI Utiliz	zed for Repairs or	r Replacemer	nts 19 <u>92</u> Edit	tion, _	92 Adder	nda			
6. Identification of Co	omponents Repaired o	r Replaced and R	leplacement (Components			· · · · · · · · · · · · · · · · · · ·			
Name of Item	Name of Manufacturer	Manufacturer Serial No.		Other Identification	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)			
Inlet Elbow	Pullman Power	2SP098S003	NA	2PSPAL098	1979	Repaired	Yes .			
/ Inlet Elbow	Pullman Power	2SP098S004	NA	2PSPAL098	1979	Repaired	Yes			
JW End Cover	American Standard	9D702	33117	2MDGAE05	1979	Repaired	Yes			
					<u> </u>		a)			
7. Description of Wor	k See remarks on	sheet 2.			·		· · · · · · · · · · · · · · · · · · ·			
8. Test Conducted:	Hydrostatic P	neumatic 🔲	Nominal Ope	erating Pressure		Exempt 🔲	N-416-2 🔲			
	Other	Pressure 4	psi		Test Te	emp. <u>63/64</u>	_°F			
	11.	1			. :					
(2) information in it	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. 7 73DP-9ZZ17

_	FORM NIS-2 (Back)	-
9	. Remarks: Weld repair of the corroded area, to be protected by coating w.o. 2804562	_
P	re-Pressured Test WO Review – ISI Product 10/25/06	
	- ANII NA	
i	Certificate of Compliance	
	We certify that the statements made in the report are correct and this repair conforms to the rules of the ASME Code, Section XI.	
	Type Code Symbol Stamp N/A	-
٠	Certificate of Authorization NoN/A Expiration Date:N/A	
	Signed: Date: 10-30-06 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 <u>Arizona</u> and employed by <u>HSB CT</u> of <u>Hartford, Connecticut</u> , have inspected the components described in this Owner's report during the period of	
	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" "I" AZ264	
-	Mational Board, State, Province, and Endorsements	
)	Date: 10-30-06	

	ASME SECTION	N XI – REPAIR / REPL	ACEMENT						
·			Pa	geof					
1. Component ID 2PSPBI	.032								
2 Item Description: jacke	t water heat exchanger inle	et elbow							
3. N-5 Data Package Number: <u>2SP02-2</u> 4. W.O. Number: <u>2804563</u>									
5. Original Construction Code Edition: 1974 Edition, Summer 1975 Addenda									
6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda									
7. Work Description: Weld repair of the flanged area due to corrosion.									
8. ISI Flaw NDE Method of Flaw Detection:									
O. Evaluation of the quitabi	lity of this work as now tha	Report Number:							
		requirements of IWA - 4150:							
	of corroded area of the elb	ow due to coating unbonds.A	fter weld build up, fre	sh coating will be					
applied.									
				<u> </u>					
10. Repair/Replacement W		· · · · · · · · · · · · · · · · · · ·							
the second of th		de/Edition: Sec. III Cl 3, 19		the second of th					
13. ASME Section XI Code	the state of the s	Edition: Sec. III Cl 3, 1974 F	Edition 1975 Winter A	<u>ddenda</u>					
		and 1992 Addenda		,					
14. Preservice Inspection R		☐ YES ☒ NO							
Initial WA Date	10-3-06 If require	ed, include a step in the W.O.	to perform Preservice	Inspection					
•			(DO) 1 -	1:					
alt - m	1 10 - 3-06 If requir	ed, include a step in the W.O.	for ISI & ANII Inspec	ction					
Initial Date	16 7 1	1	A NO OF						
Initial Date 1	6-3-06 16. Incl	ed, include a step in the W.O. ude a step in the W.O. to compent for permanent service or p	piete NIS-2 Form prio	r to releasing the					
	17 Test	ude a step in the W.O. to reco							
Initial ML Date 1	10-3-06 replacen	nent items.	id below all applicable	s numbers for repaired of					
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.					
2PSPBL032	N/A	2SP032S015		WO 2804563					
2PSPK1032	NIA	215052514		W.O. 2804568					
			· · · · · · · · · · · · · · · · · · ·						
al VI	11 /	2 - (na / +	e //.					
18. Planner Massignature	mm 10-	7-06 Printed Name:	Martin I) u/1000					
				lake					
19. ISI K. En OAP	per telecon that	Printed Name:	lemakent Indap	Log Entry LI MIK					
Signature		Date		101					
20. ANII 24 form		3-06 Printed Name:	R.G. Hocestro.	ત					
Signature		Date Trinted Transc.							
V216-08NI (8-88)				73DP-97Z17 Rev 9					

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

As Required by the Provisions of the ASME Code Section XI

1. Owner: <u>Arizo</u>	na Public Service	Company, et. al.		Date:	10/04/2006		
<u>P. O. I</u>	3ox 53999, Phoeni	x Arizona 85072-2	034	Sheet:	<u>1</u> of <u>2</u>	•	•
2. Plant: Palo V	⁷ erde Nuclear Gen	erating Station		Unit: <u>1</u>			
<u>5801 S</u>	South Wintersburg	Road., Tonopah, A	rizona 8535	54-7529 Work (order Numb	er <u>2804563</u>	,
3. Work Performe	d by: <u>Arizona Publi</u>	<u>Service</u>		Type of	Code Stan	np None	
				Author	zation No.	<u>N/A</u>	
				Expirat	ion Date 1	<u> </u>	
4. Identification o	f System: <u>2PSPBL</u>	032 S-014 and S-015					
-5(a) Applicable	Construction Code 4	ASME Section III NE	O, Class 3	1974 Edition, Summ	er 1975 Ad	ldenda, ′ Co	ode Case
(b) Applicable	Edition of Section 2	KI Utilized for Repair	s or Replace	ments: 1992 Editi	on, 1992 A	<u>addenda</u>	
6. Identification o	f Components Repai	red or Replaced and I	Replacement	Components		· · ·	·····
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired or Replacement	ASME Code Stamped
							(Yes or No)
Jacket Water Inlet/Elbow	Pullman Power	2SP032S015	N/A	2PSPBL032 S-01	5 1979	Repaired	NO
Jacket Water Inlet Pipe assembly	Pullman Power	2SP032S014	N/A	2PSPBL032 S-01	4 1979	Repaired	NO
						ZV-	
7. Description of V	Work: Weld repair	of the corroded are	ea, to be pro	tected by coating	WO 2804	<u>563</u> Zi	Better
8. Test Conducted	: Hydrostatic	Pneumatic [Nomi	nal Operating Press	ure 🖊	Exempt	
N-4	116-2 Other	Pressure 43 psi		Test T	emperature	<i>≵9</i> 0 °F	1 3
inches, (2) info	ormation in items 1	orm of lists, sketche thru 6 on this repo led at the to of this	rt is include				

-	FORM NIS-2 (Back)
9 .	Remarks: Weld repair of the corroded area, to be protected by coating WO 2804563
Pı	re-Pressured Test WO Review – ISI
	ANII JA
	Certificate of Compliance
	We certify that the statements made in the report are correct and this repair conforms to the rules of the ASME Code, Section XI.
7 1-	Type Code Symbol Stamp N/A
	Certificate of Authorization No. N/A Expiration Date: N/A
	Signed:
CA.	
	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>HSB CT</u> of <u>Hartford, Connecticut</u> , have inspected the components described in this Owner's report during the period of
•	
	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" "I" AZ264 National Board, State, Province, and Endorsements
	Date: 10-14-06
r;	

PV216-08NI (8-88) 73DP-9ZZ17 Rev 9

ASME SECTION XI – REPAIR / REPLACEMENT									
			Pag	ge of					
1. Component ID <u>2MDGAE</u>									
2 Item Description: <u>DG Int</u>		4 77 0 37 1 0	004564						
3. N-5 Data Package Number	***	4. W.O. Number: 2	<u>804564</u>						
5. Original Construction Code6. Original Installation Code									
	ener replacement	Miller 1975 Addenda							
8. ISI Flaw	MOT TO PROGRAMME	NDE Method of Flaw Dete	ection:						
_	Report Number:								
9. Evaluation of the suitability of this work as per the requirements of IWA - 4150:									
Replacing the top plate fa	steners on a as needed bas	is due to minor corrosion of t	he studs. Fasteners are	e not being replaced					
due to failure.	replacement is	s a routine m	aintenance.	to address					
minor como	sion RPZ	s a routine m							
10. Repair/Replacement Wor	k Organization: Arizona	Public Service	·	•					
11. Replacement Items Cons	truction or reconciled Code	Edition: Sec. III Cl 3, 197	4 Edition 1976 Summ	er Addenda					
12. Repair/Replacement Acti	vity Construction Code/Ed	ition: Sec. III Cl 3, 1974 E	dition 1975 Winter Ac	<u>idenda</u>					
13. ASME Section XI Code/	Edition: 1992 Edition ar	nd 1992 Addenda							
14. Preservice Inspection Rec	quired:	☐ YES 🗵 NO	•						
Initial Management Date 10	3-19-06 If required	, include a step in the W.O. t	o perform Preservice	Inspection					
15. ASME Section XI Pressu		☐ YES 🔀 NO		•					
Initial MIL Data (5-19-66 If required	, include a step in the W.O. f	or ISI & ANII Inspect	tion.					
Initial MIL Date 16	3-19-06 16. Includ componen	le a step in the W.O. to comp t.	lete NIS-2 Form prior	to releasing the					
Initial MM Date 10 Initial MM Date 10	0-19-06 17. Includ replacement	e a step in the W.O. to record	d below all applicable	numbers for repaired or					
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.					
2MDGAE01A	APN 43110010	7186	230113	MR 1154444					
2m06/18013	APN 43110010	7187 RPT 10/25/06	230113	MR. 1154444					
Studs BRE 10/25/0									
		· · · · · · · · · · · · · · · · · · ·							
		<u> </u>	•						
18. Planner Name: Martin J. Sullivan Date Printed Name: Martin J. Sullivan									
19. ISI Horde	2P 10/19/1	96 Printed Name	R.P. INDAT	Log Entry RP					
Signature	J E	Date							
20. ANII ZI forme	10-14	- 06 Printed Name	RLE HOUSTRON						
Signature	Ē	Date							

.)								
1. Owner: Arizo	na Public Service (Company, et. al.		D	ate: 10	19/2006		
<u>P. O. I</u>	Box 53999, Phoeni	x Arizona 85072-20	034	SI	neet:	<u>1</u> of <u>2</u>	• .	
2. Plant: Palo V	erde Nuclear Gene	erating Station		u U	nit: <u>2</u>			
<u>5801 S</u>	South Wintersburg	Road., Tonopah, A	rizona 8535	54-7529 W	ork Ord	er Number	2804564	
3. Work Performe	- ed by: <u>Arizona Public</u>	e Service		T	ype of C	ode Stamp	None	
		••		. A	uthoriza	tion No.	<u>N/A</u>	• .
. ·				E	kpiration	Date N/	<u>A</u> .	
4. Identification o	f System: 2MDGA	E01A&B					<u>\$</u>	
5. (a) Applicable	Construction Code 4	ASME Section III-ND), Class 3	1974 Edition,	Summer	1976 Add	enda, <u>'</u> Co	de Case
(b) Applicable	Edition of Section 2	I Utilized for Repair	s or Replace	ments: <u>1992</u>	Edition	1992 Ad	ldenda	
6. Identification o	f Components Repai	red or Replaced and I	Replacement	Components				
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Othe Identifica		Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)
intercoolers	Cooper Energy	7187	N/A	2MDGAE01	В	1979	Repaired	YES
Covér studs	N/A	N/A	N/A	Heat # 2301	13	2006	Replacement	NO
intercoolers	Cooper Energy	7186	N/A	2MDGAE01	Α	1979	Repaired	YES
8. Test Conducted	: Hydrostatic] Nom	inal Operating	Pressure		Exempt 🛛	<u>804564</u>
à		Pressure psi	······································				°F	
inches, (2) infe	ormation in items 1	form of lists, sketche thru 6 on this repo ded at the to of this	rt is include					

	FORM NIS-2 (Back)
7	Remarks: Replacement of cover fasteners due to minor corrosion. Not replaced due to failure.W.O. # 2804564
Pre	e-Pressured Test WO Review – ISI
	ANII NA
ſ	Certificate of Compliance
	We certify that the statements made in the report are correct and this repair conforms to the rules of the ASME Code, Section XI. Type Code Symbol StampN/A
	Certificate of Authorization No. N/A Expiration Date: N/A
	Signed: Randap, ISI Engineer Gwner or Owner's Designee, Fille Date: 10-25-2006
	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 HSB CT of Hartford, Connecticut, have inspected the components described in this Owner's report during the period of
	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" AZ264 National Board, State, Province, and Endorsements

	ASME SECTION A	(1 – REPAIR / REPL	ACEMENT	
			Page	el_of
1. Component ID 2MDGAE	04			
2 Item Description: DG LU	JBE OIL COOLER			
3. N-5 Data Package Number		4. W.O. Number: 2	804566	
5. Original Construction Cod	· · · · · · · · · · · · · · · · · · ·	ummer 1976 Addenda		
6. Original Installation Code		· · · · · · · · · · · · · · · · · · ·		
7. Work Description: REP		the state of the s		
8. ISI Flaw		NDE Method of Flaw Det	ection:	
		Report Number:		
9. Evaluation of the suitability	ty of this work as per the req	uirements of IWA - 4150:		
	HE BASE MATERIAL DU		MUM WALL THICKN	NESS, REPAIRED
	CTED WITH COATINGS.	-,		
AREAS TO BETROTE	CIED WITH COATINGS.			
				A Barrier
10. Repair/Replacement Wor				
11. Replacement Items Cons			•	
12. Repair/Replacement Acti			dition 1975 Winter Add	<u>denda</u>
13. ASME Section XI Code/	Edition: 1992 Edition and	l 1992 Addenda		
14. Preservice Inspection Rec	quired: [YES X NO		
Initial MM Date 10	1-19-06 If required.	include a step in the W.O.	to perform Preservice I	nspection
15. ASME Section XI Pressu	- '	▼ YES □ NO		
		include a step in the W.O.	for ISI & A NIII Inchecti	OD
Initial Date 10	7-19-06 Hicyanica,	- · · · · · · · · · · · · · · · · · · ·		
Initial MM Date 16	16. Include	a step in the W.O. to comp	olete NIS-2 Form prior	to releasing the
minut grape Dute 1	component.			
Initial MM Date 10	0-19-06 17. Include	a step in the W.O. to recor	d below all applicable i	numbers for repaired or
Initial J. 1772 Date 1	replacement			
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
2MDGAE04 BAFFLE	4-305-19-815-008	9-20016-02-3	N/A	WO 2804566
PLATE (INLET/OUTLET				
SPOOL) 2MDGA204 Rivsing				±1/2
Cover	4-500-19-515-001	9-20016.02-3	NA	2804566
			-	
			,	
		,		
M M	k 10-19-06	-		
18. Planner Signature	Da	Printed Name: 1	Martin-Sullivan	
Signature	1 1			
19. ISI I maa	P 10/19/06	Printed Name:	K.P. INDAP	Log Entry RPZ
Signature	Da			
n /-	10-19-	~	R.G. HOGSTROM	
20. ANII Signature	Da	Printed Name:	N.C. 700011001	
Nignanire -	Da	lC	and the second of the second o	and the second of the second o

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

As Required by the Provisions of the ASME Code Section XI

	<u> </u>								
1. Owner: Arizon	na Public Service (Company, et. al.		Date:	10/19/200	<u>)6</u>			
<u>P. O. F</u>	<u>30x 53999, Phoeni</u>	x Arizona 85072-	-2034	Sheet	:: <u>1</u> of	<u>2</u>			
2. Plant: Palo V	erde Nuclear Gene	erating Station		Unit:	<u>2</u>				
<u>5801 S</u>	South Wintersburg	Road., Tonopah,	Arizona 8535	5 <u>4-7529</u> Work	Order Num	nber <u>2804566</u>			
3. Work Performe	3. Work Performed by: <u>Arizona Public Service</u> Type of Code Stamp <u>None</u>								
	Authorization No. N/A								
				Expir	ation Date	<u>N/A</u>			
4. Identification of	f System: 2DG								
5. (a) Applicable	Construction Code A	ASME Section III N	√D, Class 3 1	1974 Edition, <u>Sun</u>	nmer 1976 /	Addenda, <u>N/A</u> Co	de Case		
(b) Applicable	Edition of Section X	Utilized for Repa	airs or Replace	ments: <u>1992 Edi</u>	tion, 1992	Addenda			
6. Identification of	f Components Repai	red or Replaced an	d Replacement	Components					
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired or Replacement	ASME Code Stamped		
							(Yes or NO)		
DG "A" lube oil cooler	American Standard	9-20016-02-3	33118	2MDGAE04	1979	Repaired	YES		
					1				
					,				
	i i ge				:				
	\$\$\$								
				~					
						·			
7. Description of V	Vork: Weld repair	of the base metal	on the inlet	outlet baffle. w	.o. 280456	<u>6</u>			
8. Test Conducted:	Hydrostatic	Pneumatic	☐ Nomi	nal Operating Pre	ssure 🔀	Exempt			
N-4	001 Other	Pressure r	osi	Test	Temperatu	re <u>64</u> °F			
	10-30								
inches, (2) info	emental sheets in formation in items 1 of sheets is record	thru 6 on this rep	ort is include						

	FORM NIS-2 (Back)
9	. Remarks: Weld repair of the base metal on the inlet/outlet baffle. w.o. 2804566
P	re-Pressured Test WO Review - ISI Prindap 10/25/06
	ANII N P
l	Certificate of Compliance
	We certify that the statements made in the report are correct and this repair conforms to the rules of the ASME Code, Section XI.
	Type Code Symbol Stamp
	Certificate of Authorization No. N/A Expiration Date: N/A
	Certificate of Authorization No. N/A Expiration Date: N/A Signed: Date: 1030-06
	Owner or Owner's Designee, Title
)	
<i>J</i> .	
,	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>HSB CT</u> of <u>Hartford, Connecticut</u> , have inspected the components described in this Owner's report during the period of
	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.
	04/4
	Commissions: NB 9685 "N" "I" AZ264 Inspectors Signature National Board, State, Province, and Endorsements
)	Date:
. [

PV216-08NI (8-88)

73DP-9ZZ17 Rev 9

	ASME SECTION Y	XI – REPAIR / REPL	ACEMENT				
			Page	e \or 3			
1. Component ID 2MRCE	E01A-SN212			e de la companya de l			
2 Item Description: Steam Generator #1							
3. N-5 Data Package Number	er: <u>n/a</u>	4. W.O. Number: 2	<u> 2817045</u>				
	ode Edition: 1989 Edition &	no Addenda					
6. Original Installation Cod		inter 1975 Addenda					
	tall Westinghouse mechanical evaluation from Engineering I		2MRCEE01A "Hot Les	g" tubes per dispostion			
8. 🔲 ISI Flaw		NDE Method of Flaw De	tection: Eddy Current	Testing			
		Report Number:					
9. Evaluation of the suitabil	lity of this work as per the req	quirements of IWA - 4150:					
Evaluation documented	in Eng DFWO# 2817040. No	ote, these are the new Stear	n Generators installed in	<u>n 2003.</u>			
10. Repair/Replacement Wo	ork Organization: Westingh	iouse					
	struction or reconciled Code/		no Addenda				
· .	tivity Construction Code/Edit		- · · · · · · · · · · · · · · · · · · ·	denda			
13. ASME Section XI Code	•			Made de Promot Magazinia			
14. Preservice Inspection R		☐ YES ⊠ NO					
Initial Dung Date	10-16-06 If required,	include a step in the W.O.	to perform Preservice I	nspection			
15. ASME Section XI Press	sure Test Required:	\square YES \boxtimes NO					
Initial Dung Date	- 70	include a step in the W.O.					
Initial Dung Date 1		e a step in the W.O. to verif ANII prior to approving IN		completed by			
<i>→</i> • • • • • • • • • • • • • • • • • • •							
Initial <u>Pag</u> Date _	///>~//_~//h	e a step in the W.O. to recomment items.	rd below all applicable i	numbers for			
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.			
Tube Plugs	APN 00097721	See Attached List	See Attached List	MR 1146860			
				:			
·							
18. Planner Dashy Signature	Doeslif . 10-1	16-D6 Printed Name:	DAVID M. G. R.P. INDAY	DODICT			
Signature	1	ate	\sim				
19. ISI Signature	<u> </u>	6-06 Printed Name:	K.P. FNDAT	2 Log Entry			
20. ANII 7th Lytur	V	7-06 Printed Name:	R.G. HOGSTRON	K			
Signature							

	· · · · · · · · · · · · · · · · · · ·				·				
1. Owner: <u>Arizo</u> i	na Public Service (Company, et. al.	·	D	ate: 10-	<u>16-2006</u>			
<u>P. O. F</u>	Box 53999, Phoeni	x Arizona 85072-20	034	S	heet: 1	<u>l</u> of <u>2</u>		· ·	
2. Plant: Palo V	erde Nuclear Gene	erating Station	• .	U	nit: <u>2</u>				
<u>5801 S</u>	South Wintersburg	Road., Tonopah, A	rizona 8535	54-7529 W	ork Orde	er Number	r <u>2817045</u>		
3. Work Performe	3. Work Performed by: Westinghouse Type of Code Stamp None								
			· · · · · · · · · · · · · · · · · · ·	A	uthorizat	ion No.	<u>N/A</u>		
4. Identification o	f System: RC: Reac	ctor Coolant System		E	xpiration	Date <u>N/</u>	<u>A</u>		
5. (a) Applicable	Construction Code A	ASME Section III NB	, Class 1	1989 Edition,	no Adder	nda, <u>no</u> Co	ode Case/		
(b) Applicable	Edition of Section >	I Utilized for Repair	s or Replace	ments: <u>1992</u>	Edition,	1992 Ac	<u>ldenda</u>		
6. Identification of	f Components Repai	red or Replaced and I	Replacement	Components	•		·		
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Othe Identifica		Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)	
Steam Generator	Ansaldo	212	N/A	2MRCEE01	A	2002	Repaired	YES	
Tube Élugs	Westinghouse	N/A	N/A	N/A		2006	Replacement	NO	
						*			
					-				
	-								
7. Description of V	Work: Plug Steam	Generator#1 Hot L	eg Tubes L	AW DFWO#	281704	<u>10.</u>			
8. Test Conducted	: Hydrostatic	Pneumatic [Nom	inal Operating	g Pressure		Exempt 🛛		
N-4	416-2 Other	Pressure ps	i .		Test Tem	perature	°F		
		Ų.							
inches, (2) info	ormation in items 1	form of lists, sketched thru 6 on this reported at the to of this	rt is include						

	FORM NIS-2 (Back)
3	Remarks: WO# 2817045 for Steam Generator#1 (2MRCEE01A) Hot Leg, had mechanical plugs installed.
Pı	re-Pressured Test WO Review – ISI
	ANII N/A
	Certificate of Compliance
	We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp
	Certificate of Authorization No. N/A Expiration Date: N/A
	Signed: Prodap, ISI Engineer Date: 10-26-2006 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 HSB CT of Hartford, Connecticut, have inspected the components described in this Owner's report during the period of
	Commissions: NB 9685 "N" "I" A Z264 Inspectors Signature Commissions: NB 9685 "N" "I" A Z264 National Board, State, Province, and Endorsements

- 1. Component ID: 2MRCEE01A-SN212
- 2. Item Description: Steam Generator #1
- 3. N-5 Data Package Number: n/a
- 4.W.O. Number: 2817045
- 5. Original Construction Code Edition: 1989 Edition & no Addenda6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda

DFWO 2817040 and DIWO 2817045

Steam Generator (2MRCEE01A) Hot Leg, had mechanical plugs (Westinghouse part # 76546/APN 00097721) obtained via MR -1146860 installed in the following locations:

Row	Col
58	7
34	83
36	85
43	92
47	92
- 44	93
48	93
46	97
45	98
47	110
44	111
43	112
45	112
45	118

These plugs were from heat NX3171HK.

15. ASME Section XI Pressure Test Required: YES NO				XI – REPAIR / REPI	DI CENTENTI	_			
2. Item Description: Steam Generator #1 3. N-5 Data Package Number: 1287 4. W.O. Number: 2817047 5. Original Construction Code Edition: 1974 Edition, Winter 1975 Addenda 6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda 7. Work Description: Install Westinghouse mechanical pluss in Steam Generator 2MRCEE01A "Cold Leg" tubes per disposition & evaluation from Engineering DFWOP 2817040. NDE Method of Flaw Detection: Eddy Current Testing Report Number: 9. Evaluation of the suitability of this work as per the requirements of IWA - 4150: Evaluation documented in Eng DFWOP 2817040. Note, these are the new Steam Generators installed in 2003. 10. Repair/Replacement Construction or reconciled Code/Edition: 1989 Edition & no Addenda 11. Replacement Items Construction or reconciled Code/Edition: 1989 Edition & no Addenda 12. Repair/Replacement Activity Construction Code/Edition: 1989 Edition & no Addenda 13. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 14. Preservice Inspection Required: YES NO Initial 1975 Date 19-16-06 If required, include a step in the W.O. to perform Preservice Inspection 15. ASME Section XI Pressure Test Required: YES NO Initial 1975 Date 19-16-06 If required, include a step in the W.O. to verify NIS-2 Form has been completed by ISI & ANII Inspection. Initial 1975 Date 19-16-06 If required include a step in the W.O. to record below all applicable numbers for replacement items. Item ID Part No. Serial No. Heat No. MR/PO/WO No. Tube Plugs APN 00097721 See Attached List See Attached List MR 1146860 18. Planner 1985 Date 19-16-06 Printed Name: DADIO M. GOCALGY Signature Date Part No. Serial No. Heat No. MR/PO/WO No. 19. ISI EMBLOOMER. Printed Name: Printed Name: Printed Name: Part No. Separator Date Printed Name: Part No. Separator Date Printed Name: Part No. Report Name Date Printed Name: Part No. Report Name Date Printed Name: Part No. Report Name Date Printed Name: Part No. Report Name Date Printed Name: Part No. Report Name Date Printed Name Printed Name	· , , ,				Page	e 1 of 3			
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3. N-5 Data Package Number: p/a 4. W.O. Number: 2817047 5. Original Construction Code Edition: 1948 Edition & no Addenda 7. Work Description: Install Westinghouse mechanical pluss in Steam Generator 2MRCEE01A 'Cold Log" tubes per disposition & revaluation from Engineering DPWO#2817040. 8. □ ISI Flaw NDE Method of Flaw Detection: Eddy Current Testing Report Number: 9. Evaluation of the suitability of this work as per the requirements of IWA - 4150: Evaluation documented in Eng DFWO#2817040. Note, these are the new Steam Generators installed in 2003. 10. Repair/Replacement Work Organization: Westinghouse 11. Replacement Items Construction or reconciled Code/Edition: 1989 Edition & no Addenda 12. Repair/Replacement Activity Construction Code/Edition: See. III C1. 1.1974 Edition 1975 Winter Addenda 13. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 14. Preservice Inspection Required: □ YES □ NO Initial □ 10-16-10 If required, include a step in the W.O. to perform Preservice Inspection 15. ASME Section XI Pressure Test Required: □ YES □ NO Initial □ 10-16-10 If required, include a step in the W.O. for ISI & ANII Inspection. 16. Include a step in the W.O. to verify NIS-2 Form has been completed by ISI & ANII Print to approving INP32S Status. 17. Include a step in the W.O. to record below all applicable numbers for replacement items. 18. Planner □ 10-16-10 If required, include a step in the W.O. to record below all applicable numbers for replacement items. 19. ISI ■ 10-16-10 If Part No. Serial No. Heat No. MR/PO/WO No. Signature □ Date □ 10-16-10 If Part No. Serial No. Heat No. □ 14-16-60 If Part No. Signature □ Date □ 16-16-16 If Part No. Serial No. □ 14-16-16 If Part No. □ 16-16-16 If Part No. □ 16-16-16 If Part No. □ 16-16-16 If Part No. □ 16-16-16 If Part No. □ 16-16-16 If Part No. □ 16-16-16 If Part No. □ 16-16-16 If Part No. □ 16-16-16 If Part No. □ 16-16-16 If Part No. □ 16-16-16 If Part No. □ 16-16-16 If Part No. □ 16-16-16 If Part No. □ 16-16-16 If Part No. □ 16-16-16 If Part N	· ——								
6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda 7. Work Description: Install Westinshouse mechanical pluss in Steam Generator 2MRCEEO1A "Cold Leg" tubes per disposition & evaluation from Engineering DEWO #817040. 8. □ ISI Flaw NDE Method of Flaw Detection: Eddy Current Testing Report Number: 9. Evaluation of the suitability of this work as per the requirements of IWA - 4150: Evaluation documented in Eng DFWO# 2817040. Note, these are the new Steam Generators installed in 2003. 10. Repair/Replacement Work Organization: Westinghouse 11. Replacement Items Construction or reconciled Code/Edition: 1989 Edition & no Addenda 12. Repair/Replacement Activity Construction Code/Edition: Sec. III Cl. 1, 1974 Edition 1975 Winter Addenda 13. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 14. Preservice Inspection Required: □ YES □ NO Initial Pry □ Date D-16-De If required, include a step in the W.O. to perform Preservice Inspection 15. ASME Section XI Pressure Test Required: □ YES □ NO Initial Pry □ Date D-16-De If required, include a step in the W.O. for ISI & ANII Inspection. 16. Include a step in the W.O. to verify NIS-2 Form has been completed by ISI & ANII prior to approving INF525 Status. 17. Include a step in the W.O. to record below all applicable numbers for replacement items. 18. Planner □ Date □ D-16-De Include a Step in the W.O. to record below all applicable numbers for replacement items. 19. ISI □ Date □ D-16-De Printed Name: □ DAWO M. GODACO M. RIPPO/WO No. Tube Plugs APN 00097721 See Attached List See Attached List MR 1146860									
7. Work Description: Install Westinghouse mechanical pluss in Steam Generator 2MRCEEOIA "Cold Leg" tubes per disposition & evaluation from Engineering DFW0#2817040. 8. □ ISI Flaw NDE Method of Flaw Detection: Eddy Current Testing Report Number: 9. Evaluation of the suitability of this work as per the requirements of IWA - 4150: Evaluation documented in Eng DFW0#2817040. Note, these are the new Steam Generators installed in 2003. 10. Repair/Replacement Work Organization: Westinghouse 11. Replacement Items Construction or reconciled Code/Edition: 1989 Edition & no Addenda 12. Repair/Replacement Activity Construction Code/Edition: Sec. III Cl. 1, 1974 Edition 1975 Winter Addenda 13. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 14. Preservice Inspection Required: □ YES ☑ NO Initial □ May □ Date □ -16-D□ If required, include a step in the W.O. to perform Preservice Inspection. 15. ASME Section XI Pressure Test Required: □ YES ☑ NO Initial □ May □ Date □ -16-D□ If required, include a step in the W.O. for ISI & ANII Inspection. 16. Include a step in the W.O. to verify NIS-2 Form has been completed by ISI & ANII prior to approving INPS2S Status. 17. Include a step in the W.O. to record below all applicable numbers for replacement items. 18. Planner □ Date □ May □ M	5. Original Constructio	n Code Edition:	1989 Edition &	no Addenda					
7. Work Description: Install Westinghouse mechanical plugs in Steam Generator 2MRCEEO1A "Cold Leg" tubes per disposition & evaluation from Engineering DFW0#2817040. 8. □ ISI Flaw NDE Method of Flaw Detection: Eddy Current Testing Report Number: 9. Evaluation of the suitability of this work as per the requirements of IWA - 4150: Evaluation documented in Eng DFW0#2817040. Note, these are the new Steam Generators installed in 2003. 10. Repair/Replacement Work Organization: Westinghouse 11. Replacement Items Construction or reconciled Code/Edition: 1989 Edition & no Addenda 12. Repair/Replacement Activity Construction Code/Edition: Sec. III C11, 1974 Edition 1975 Winter Addenda 13. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 14. Preservice Inspection Required: □ YES □ NO Initial □ Morgon Date □ 10 - 16 - 10 □ If required, include a step in the W.O. to perform Preservice Inspection 15. ASME Section XI Pressure Test Required: □ YES □ NO Initial □ Morgon Date □ 10 - 16 - 10 □ If required, include a step in the W.O. for ISI & ANII Inspection. 16. Include a step in the W.O. to verify NIS-2 Form has been completed by ISI & ANII prior to approving INP525 Status. 17. Include a step in the W.O. to record below all applicable numbers for replacement items. 18. Planner □ Morgon Date □ 10 - 16 □ 10 □ 10 □ 10 □ 10 □ 10 □ 10 □ 10 □									
NDE Method of Flaw Detection: Eddy Current Testing Report Number:		7. Work Description: <u>Install Westinghouse mechanical plugs in Steam Generator 2MRCEE01A "Cold Leg" tubes per dispostion</u>							
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10. Repair/Replacement Work Organization: Westinghouse 11. Replacement Items Construction or reconciled Code/Edition: 1989 Edition & no Addenda 12. Repair/Replacement Activity Construction Code/Edition: Sec. III Cl 1, 1974 Edition 1975 Winter Addenda 13. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 14. Preservice Inspection Required: YES NO Initial Phys Date 10-16-06 If required, include a step in the W.O. to perform Preservice Inspection. Initial Phys Date 10-16-06 If required a step in the W.O. to verify NIS-2 Form has been completed by ISI & ANII prior to approving INP525 Status. 17. Include a step in the W.O. to record below all applicable numbers for replacement items. Item ID Part No. Serial No. Heat No. MR/PO/WO No. Tube Plugs APN 00097721 See Attached List See Attached List MR 1146860 18. Planner APN 00097721 See Attached List See Attached List MR 1146860 19. ISI Planner Date Purp Printed Name: P	9. Evaluation of the sui	tability of this w	ork as per the requ	- · · ·					
11. Replacement Items Construction or reconciled Code/Edition: 1989 Edition & no Addenda 12. Repair/Replacement Activity Construction Code/Edition: Sec. III Cl. 1, 1974 Edition 1975 Winter Addenda 13. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 14. Preservice Inspection Required: YES NO Initial Property Date 10-16-06 If required, include a step in the W.O. to perform Preservice Inspection 15. ASME Section XI Pressure Test Required: YES NO Initial Property Date 10-16-06 If required, include a step in the W.O. for ISI & ANII Inspection. 16. Include a step in the W.O. to verify NIS-2 Form has been completed by ISI & ANII prior to approving INP525 Status. 17. Include a step in the W.O. to record below all applicable numbers for replacement items. 18. Planner APN 00097721 See Attached List See Attached List MR 1146860 18. Planner APN 00097721 See Attached List See Attached List MR 1146860 19. ISI Printed Name: Printed						n 2003.			
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12. Repair/Replacement Activity Construction Code/Edition: Sec. III Cl 1, 1974 Edition 1975 Winter Addenda 13. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 14. Preservice Inspection Required: YES NO Initial Doug Date 10-16-06 If required, include a step in the W.O. to perform Preservice Inspection 15. ASME Section XI Pressure Test Required: YES NO Initial Doug Date 10-16-06 If required, include a step in the W.O. for ISI & ANII Inspection. Initial Doug Date 10-16-06 If required, include a step in the W.O. to verify NIS-2 Form has been completed by ISI & ANII prior to approving INP525 Status. 16. Include a step in the W.O. to record below all applicable numbers for replacement items. 17. Include a step in the W.O. to record below all applicable numbers for replacement items. 18. Planner Date 10-16-06 See Attached List See Attached List MR 1146860 18. Planner Date Doug Doug Printed Name: DANIO M. GOODS? 19. ISI Date Doug Entry RPS	• •	-			ma Addanda				
13. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 14. Preservice Inspection Required: YES NO			•		• • • • • • • • • • • • • • • • • • • •	danda			
14. Preservice Inspection Required: YES NO	• • •	•	5. Sec. 10.	Annual Control of the	Edition 1975 Whitel Ad	denda			
Initial Day Date 10-16-D6 If required, include a step in the W.O. to perform Preservice Inspection 15. ASME Section XI Pressure Test Required: YES NO Initial Date 10-16-D6 If required, include a step in the W.O. for ISI & ANII Inspection. 16. Include a step in the W.O. to verify NIS-2 Form has been completed by ISI & ANII prior to approving INP525 Status. 17. Include a step in the W.O. to record below all applicable numbers for replacement items. 18. Planner Day Date 10-16-D6 See Attached List See Attached List MR 1146860 18. Planner Date Date Date Date Printed Name: DAND M. GODNOY 19. ISI PRADOP Signature Date Printed Name: Printe		* .	1992 Lattion and		•				
15. ASME Section XI Pressure Test Required: YES NO		•							
Initial PM5 Date 10-16-D6 If required, include a step in the W.O. for ISI & ANII Inspection. Initial PM5 Date 10-16-D6 If. Include a step in the W.O. to verify NIS-2 Form has been completed by ISI & ANII prior to approving INP525 Status. Initial PM5 Date 10-16-D6 If. Include a step in the W.O. to record below all applicable numbers for replacement items. Item ID Part No. Serial No. Heat No. MR/PO/WO No. Tube Plugs APN 00097721 See Attached List See Attached List MR 1146860 Item ID Part No. Printed Name: DANO M. GOONST Signature Date Printed Name: P. TNDAP Log Entry RPP Signature Date	Initial Way Dat	te 10-16-06	If required,	include a step in the W.O	. to perform Preservice I	Inspection			
Initial Puts Date 10-16-06 16. Include a step in the W.O. to verify NIS-2 Form has been completed by ISI & ANII prior to approving INP525 Status. 17. Include a step in the W.O. to record below all applicable numbers for replacement items. 18. Planner APN 00097721 See Attached List See Attached List MR 1146860 18. Planner April Date Date Printed Name: DAVID M. GOODS Signature Date Printed Name: Printe	15. ASME Section XI I	Pressure Test Re	quired: [☐ YES 🖾 NO)				
Initial Date 10-16-06 Initial Date 10-16-06 Initial Date 10-16-06 Initial Date 10-16-06 Initial Date 10-16-06 Item ID Part No. Serial No. Heat No. MR/PO/WO No. Tube Plugs APN 00097721 See Attached List See Attached List MR 1146860 Item ID Part No. Serial No. Heat No. MR/PO/WO No. Tube Plugs APN 00097721 See Attached List See Attached List MR 1146860 Item ID Part No. Printed Name: DAWO M. GOODEST Signature Date Printed Name: PANO M. GOODEST Io Item Io Date Date Printed Name: P. Indian Log Entry RPR Io Item Io Date Date Printed Name: P. Indian Log Entry RPR Initial Date Date Date Date Date Date Date Date	O = 15								
Initial Date 10-16-D6 17. Include a step in the W.O. to record below all applicable numbers for replacement items. Item ID Part No. Serial No. Heat No. MR/PO/WO No. Tube Plugs APN 00097721 See Attached List See Attached List MR 1146860 18. Planner Date Printed Name: DAND M. GODDOY 19. ISI Photography Date Printed Name: P. INDAP Log Entry RPP Signature Date	Initial 1995 Dat	te 10-16-D	If required,	include a step in the W.O	. for ISI & ANII Inspect	ion.			
Item ID Part No. Serial No. Heat No. MR/PO/WO No. Tube Plugs APN 00097721 See Attached List See Attached List MR 1146860 18. Planner Date Date Date Date Date Date Printed Name: DAND M. GODROY 19. ISI Planer Date Date Date Printed Name: P	•		2	a step in the W.O. to ver	ify NIS-2 Form has been				
Tube Plugs APN 00097721 See Attached List MR 1146860 18. Planner Signature Date Printed Name: P. INDAP Log Entry RPP Signature Date	•		16. Include	a step in the W.O. to ver ANII prior to approving IN	ify NIS-2 Form has been IP525 Status.	completed by			
18. Planner David Doolkt 10-16-02 Printed Name: DAVID M. GOODEST Signature Date 19. ISI Physical Printed Name: R. P. INDAP Log Entry RP2 Signature Date	Initial Prof. Dat	te 10-16-06	16. Include ISI & A	a step in the W.O. to ver ANII prior to approving IN a step in the W.O. to reco	ify NIS-2 Form has been IP525 Status.	completed by			
19. ISI Signature Date Printed Name: R. P. INDAP Log Entry RPR Date	Initial Prof Dat	te <u>10-16-06</u>	16. Include ISI & A 17. Include replaces	a step in the W.O. to ver ANII prior to approving IN a step in the W.O. to reco ment items.	ify NIS-2 Form has been NP525 Status. ord below all applicable	numbers for			
19. ISI Signature Date Printed Name: R. P. INDAP Log Entry RPR Date	Initial Prof. Dat Initial Item ID	te 10-16-06	16. Include ISI & A 17. Include replacer	a step in the W.O. to ver ANII prior to approving IN a step in the W.O. to recoment items.	ify NIS-2 Form has been NP525 Status. ord below all applicable Heat No.	numbers for MR/PO/WO No.			
19. ISI Signature Date Printed Name: R. P. INDAP Log Entry RPR Date	Initial Prof. Dat Initial Item ID	te 10-16-06	16. Include ISI & A 17. Include replacer	a step in the W.O. to ver ANII prior to approving IN a step in the W.O. to recoment items.	ify NIS-2 Form has been NP525 Status. ord below all applicable Heat No.	numbers for MR/PO/WO No.			
19. ISI Signature Date Printed Name: R. P. INDAP Log Entry RPR Date	Initial Prof. Dat Initial Item ID	te 10-16-06	16. Include ISI & A 17. Include replacer	a step in the W.O. to ver ANII prior to approving IN a step in the W.O. to recoment items.	ify NIS-2 Form has been NP525 Status. ord below all applicable Heat No.	numbers for MR/PO/WO No.			
19. ISI Signature Date Printed Name: R. P. INDAP Log Entry RPR Date	Initial Prof. Dat Initial Item ID	te 10-16-06	16. Include ISI & A 17. Include replacer	a step in the W.O. to ver ANII prior to approving IN a step in the W.O. to recoment items.	ify NIS-2 Form has been NP525 Status. ord below all applicable Heat No.	numbers for MR/PO/WO No.			
19. ISI Signature Date Printed Name: R. P. INDAP Log Entry RPR Date	Initial Prof. Dat Initial Item ID	te 10-16-06	16. Include ISI & A 17. Include replacer	a step in the W.O. to ver ANII prior to approving IN a step in the W.O. to recoment items.	ify NIS-2 Form has been NP525 Status. ord below all applicable Heat No.	numbers for MR/PO/WO No.			
19. ISI Signature Date Printed Name: R. P. INDAP Log Entry RPR Date	Initial Prof. Dat Initial Item ID	te 10-16-06	16. Include ISI & A 17. Include replacer	a step in the W.O. to ver ANII prior to approving IN a step in the W.O. to recoment items.	ify NIS-2 Form has been NP525 Status. ord below all applicable Heat No.	numbers for MR/PO/WO No.			
19. ISI Signature Date Printed Name: R. P. INDAP Log Entry RPR Date	Initial Prof. Dat Initial Item ID	te 10-16-06	16. Include ISI & A 17. Include replacer	a step in the W.O. to ver ANII prior to approving IN a step in the W.O. to recoment items.	ify NIS-2 Form has been NP525 Status. ord below all applicable Heat No.	numbers for MR/PO/WO No.			
19. ISI VIVOSOS Printed Name: VIVOS Entry V 22-	Initial Prop Date Initial Initial Date Item ID Tube Plugs	te 10-16-06	16. Include ISI & A 17. Include replacer Part No. 0097721	a step in the W.O. to ver ANII prior to approving IN a step in the W.O. to recoment items. Serial No. See Attached List Printed Name:	ify NIS-2 Form has been NP525 Status. ord below all applicable Heat No. See Attached List	numbers for MR/PO/WO No. MR 1146860			
Signature Date	Initial Prof Dat Initial Initial Dat Item ID Tube Plugs	De 10-16-06 Re 10-16-06 PAPN 00	16. Include ISI & A 17. Include replacer Part No. 0097721	a step in the W.O. to ver ANII prior to approving IN a step in the W.O. to recoment items. Serial No. See Attached List Printed Name:	ify NIS-2 Form has been NP525 Status. ord below all applicable Heat No. See Attached List	mumbers for MR/PO/WO No. MR 1146860			
. The contract of $m{\ell}$ is the contract of the contract of the contract of $m{\ell}$ in the contract of the contract of $m{\ell}$	Initial Date Date Item ID Tube Plugs 18. Planner Signature 19. ISI	De 10-16-06 P APN 00	16. Include ISI & A 17. Include replacer Part No. 0097721	a step in the W.O. to ver ANII prior to approving IN a step in the W.O. to recoment items. Serial No. See Attached List Printed Name:	ify NIS-2 Form has been NP525 Status. ord below all applicable Heat No. See Attached List	mumbers for MR/PO/WO No. MR 1146860			
20. ANII The 10-17-06 Printed Name: R.G. HOGESTROM	Initial Date Date Item ID Tube Plugs 18. Planner Signature 19. ISI	De 10-16-06 P APN 00	16. Include ISI & A 17. Include replacer Part No. 0097721	a step in the W.O. to ver ANII prior to approving IN a step in the W.O. to recoment items. Serial No. See Attached List Printed Name: Printed Name: Printed Name:	ify NIS-2 Form has been NP525 Status. ord below all applicable Heat No. See Attached List DANO M.	mumbers for MR/PO/WO No. MR 1146860 GOOKOY Log Entry RPR			
Signature Date	Initial Date Date Item ID Tube Plugs 18. Planner Signature 19. ISI	De 10-16-06 P APN 00	16. Include ISI & A 17. Include replaces Part No. 0097721	a step in the W.O. to ver ANII prior to approving IN a step in the W.O. to recoment items. Serial No. See Attached List Printed Name: Printed Name: Printed Name:	ify NIS-2 Form has been NP525 Status. ord below all applicable Heat No. See Attached List DANO M.	mumbers for MR/PO/WO No. MR 1146860 GOOKOY Log Entry RPR			

1. Owner: Arizor	na Public Service C	Company, et. al.		Date: 10	0-16-2006		
<u>P. O. F</u>	3ox 53999, Phoeni	ix Arizona 85072-20	<u> </u>	Sheet:	<u>1</u> of <u>2</u>		
2. Plant: Palo V	Verde Nuclear Gene	erating Station		Unit: <u>2</u>	ar' .		
<u>5801 S</u>	South Wintersburg	Road., Tonopah, Ar	rizona 8535	54-7529 Work Ore	der Number	er <u>2817047</u>	
3. Work Performe	ed by: Westinghouse			Type of (Code Stamp	p <u>None</u>	
			4	Authoriza	ation No.	<u>N/A</u>	· · · · · · · · · · · · · · · · · · ·
4. Identification o	of System: <u>RC: Reac</u>	ctor Coolant System		Expiration	on Date <u>N/</u>	<u>'A</u>	
5. (a) Applicable	Construction Code /	ASME Section III NB	1, Class 1 J	1989 Edition, no Adde	enda, <u>no</u> Co	ode Case,	
		XI Utilized for Repairs		ements: <u>1992 Edition</u> t Components	ı, 1992 Ad	<u>ldenda</u>	
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)
Steam Generator	Ansaldo	212	N/A	2MRCEE01A	2002	Repaired	YES
Tube Plugs	Westinghouse	N/A	N/A	N/A	2006	Replacement	NO
	, color					7, 1	
7. Description of V	Work: Plug Steam	Generator#1 Cold J	Leg Tubes !	IAW DFWO# 2817	040.		
8. Test Conducted:	l: Hydrostatic	Pneumatic	☐ Nomi	inal Operating Pressur	re 🗌	Exempt 🖾	
N-4	416-2 Other	r Pressure psi	i	Test Te	mperature	°F	
inches, (2) info	ormation in items 1		ort is include	ings may be used pro ed on each sheet, and			

FORM NIS-2 (Back)

the second was a second second second second second second second second second second second second second se	
Remarks: WO# 2817047 for Steam Generator	#1 (2MRCEE01A) Cold Leg, had mechanical plugs installed.
Des Deserved Test WO Design. ICI	N/A
Pre-Pressured Test WO Review – ISI	NA
· ·	h. / A
ANII	N/A
· · · · · · · · · · · · · · · · · · ·	
Co	utificate of Compliance
Ce	rtificate of Compliance
	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: Prodap ISI	Engineer Date: 10-26-2006
Owner or Owner's Des	
Owner or Owner & Des	gace, race
	<u> </u>
	OD MODDINGE INODECCION
CERTIFICATI	E OF INSERVICE INSPECTION
I, the undersigned, holding a valid commi	ssion issued by the National Board of boiler and Pressure Vessel
Inspectors and the State or Province of Ari	zona and employed by HSB CT of Hartford, Connecticut, have
inspected the components described in this	
	t to the best of my knowledge and belief, the Owner has performed
	ures described in this Owner's Report in accordance with the
requirements of the ASME Code, Section 2	
requirements of the ASIVIE Code, Section 2	11.
	ector nor his employer makes any warranty, expressed or implied,
	e measures described in this Owner's report. Furthermore, neither
the Inspector nor his employer shall be lia	ble in any manner for any personal injury or property damage or a
loss of any kind arising from or connected	with this inspection.
Dh da	
- KN your	Commissions: <u>NB 9685 "N" "I" AZ264</u>
Inspectors Signature	National Board, State, Province, and Endorsements
impociois dignature	a di kacamangkan kalanggan kalanggan kalanggan kalanggan kalanggan kalanggan kalanggan kalanggan kalanggan kal
Date: 10-26-06	
Date: 10-26-06	

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- Component ID: 2MRCEE01A-SN212
 Item Description: Steam Generator #1
- 3. N-5 Data Package Number: n/a
- 4.W.O. Number: 2817047
- 5. Original Construction Code Edition: 1989 Edition & no Addenda
- 6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda

DFWO 2817040 and DIWO 2817047

Steam Generator (2MRCEE01A) Cold Leg, had mechanical plugs (Westinghouse part # 76546/APN 00097721) obtained via MR -1146860 installed in the following locations:

Row	Col
58	7
34	83
36	85
43	92
47	92
44	93
48	93
46	97
45	98
47	110
44	111
43	112
45	112
45	118

These plugs were from heat NX3171HK.

ASME SECTION XI – REPAIR / REPLACEMENT 1. Component ID 2MRCEE01B-SN211 2.. Item Description: Steam Generator #2 3. N-5 Data Package Number: n/a 4. W.O. Number: 2817050 5. Original Construction Code Edition: 1989 Edition & no Addenda 6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda Install Westinghouse mechanical plugs in Steam Generator 2MRCEE01B "Hot Leg" tubes per disposition 7. Work Description: & evaluation from Engineering DFWO# 2817041. NDE Method of Flaw Detection: Eddy Current Testing 8. ISI Flaw Report Number: 9. Evaluation of the suitability of this work as per the requirements of IWA - 4150: Evaluation documented in Eng DFWO# 2817041. Note, these are the new Steam Generators installed in 2003. 10. Repair/Replacement Work Organization: Westinghouse 11. Replacement Items Construction or reconciled Code/Edition: 1989 Edition & no Addenda 12. Repair/Replacement Activity Construction Code/Edition: Sec. III Cl 1, 1974 Edition 1975 Winter Addenda 13. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 14. Preservice Inspection Required: ☐ YES ⊠ NO Date 10-16-2006 If required, include a step in the W.O. to perform Preservice Inspection 15. ASME Section XI Pressure Test Required: If required, include a step in the W.O. for ISI & ANII Inspection. My (7 Date 10-16-2006 16. Include a step in the W.O. to verify NIS-2 Form has been completed by Date 10-16-2006 ISI & ANII prior to approving INP525 Status. 17. Include a step in the W.O. to record below all applicable numbers for replacement items. Item ID Heat No. MR/PO/WO No. Part No. Serial No. Tube Plugs APN 00097721 See Attached List See Attached List MR 1146860 Date Printed Name: DAULO M. GOODLET 10/16/06 Printed Name: R.P. TNDAP Log Entry Date 18. Planner Printed Name: _ R.G. Howstrom 10-17-06 20. ANII Date

							
1. Owner: Arizor	na Public Service (Company, et. al.		Date: <u>10-</u>	<u>-16-2006</u>		
<u>P. O. F</u>	30x 53999, Phoeni	ix Arizona 85072-20	<u>)34</u> ,	Sheet:	<u>1</u> of <u>2</u>		
2. Plant: Palo V	Verde Nuclear Gene	erating Station		Unit: 2			•
<u>5801 S</u>	South Wintersburg	Road., Tonopah, Ar	rizona 8535	54-7529 Work Ord	ler Number	r <u>2817050</u>	
3. Work Performe	ed by: Westinghouse	en en en en en en en en en en en en en e		Type of C	ode Stamp	None None	
	Marian Salah Marian Marian Salah Marian		· · · · · · · · · · · · · · · · · · ·	Authoriza	tion No.	<u>N/A</u>	•
4. Identification o	of System: RC: Reac	ctor Coolant System		Expiration	n Date <u>N/</u>	A	
5. (a) Applicable	Construction Code /	ASME Section III NB	., Class 11	1989 Edition, <u>no</u> Adder	nda, <u>no</u> Cc	ode Case/	maniana bita
(b) Applicable	Edition of Section Y	(I Utilized for Repairs	s or Replace	ments: 1992 Edition,	<u>, 1992 Ad</u>	<u>ldenda</u>	
6. Identification of	f Components Repai	ired or Replaced and F	Replacement	Components			
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)
Steam Generator	Ansaldo	211	N/A	2MRCEE01B	2002	Repaired	YES
Tube Plugs	Westinghouse	N/A	N/A	N/A	2006	Replacement	NO
	1. 1						
	1998		7			11 Z	
7. Description of V	Work: Plug Steam	Generator#2 Hot L	eg Tubes L	AW DFWO# 281704	41.		
8. Test Conducted	d: Hydrostatic	Pneumatic [] Nomi	inal Operating Pressure	e 🔲 🔝	Exempt 🛚	
N-4	416-2 Other	r Pressure psi	i	Test Ten	nperature	°F	. :
	garage and the second of the s	, (
inches, (2) info	ormation in items 1		ort is include	ings may be used pro ed on each sheet, and			

FORM NIS-2 (Back)	
9. Remarks: WO# 2817050 for Steam Generator#2 (2MRCEE01B) Hot Leg, had mechanical plugs installed.	
Pre-Pressured Test WO Review – ISI	
ANII N/A	<u> </u>
Certificate of Compliance	
We certify that the statements made in the report are correct and this replacement conforms to the rules of ASME Code, Section XI. Type Code Symbol Stamp N/A	of the
Certificate of Authorization No. N/A Expiration Date: N/A	a a Sana (A dana
Signed: Date: 10-26-201 Signed: Date: 10-26-201	06
CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of boiler and Pressure V. Inspectors and the State or Province of Arizona and employed by HSB CT of Hartford, Connecticut, inspected the components described in this Owner's report during the period of	, have
By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or improncerning the examinations and corrective measures described in this Owner's report. Furthermore, not the Inspector nor his employer shall be liable in any manner for any personal injury or property damage loss of any kind arising from or connected with this inspection.	either
Commissions: NB 9685 "N" "I" AZ264 National Board, State, Province, and Endors	sements
The state of the s	

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Date:___

- 1. Component ID: 2MRCEE01B-SN211
- 2. Item Description: Steam Generator #2
- 3. N-5 Data Package Number: n/a
- 4.W.O. Number: 2817050
- 5. Original Construction Code Edition: 1989 Edition & no Addenda
- 6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addend

DFWO 2817048 and DIWO 2817050

Steam Generator (2MRCEE01B) Hot Leg, had mechanical plugs (Westinghouse part # 76546/APN 00097721) obtained via MR -1146860 installed in the following locations:

Row	Col
39	86
48	89
41	90
43	90
42	91
45	104 -
47	104
46	107
45	108
43	112
41	114
40	115
45	116
39	118
165	124
167	124
166	125

These plugs were from heat NX3171HK.

ASME SECTION XI - REPAIR / REPLACEMENT Page 1. Component ID 2MRCEE01B-SN211 2.. Item Description: Steam Generator #2 3. N-5 Data Package Number: n/a 4. W.O. Number: 2817052 5. Original Construction Code Edition: 1989 Edition & no Addenda 6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda 7. Work Description: Install Westinghouse mechanical plugs in Steam Generator 2MRCEE01B "Cold Leg" tubes per disposition & evaluation from Engineering DFWO# 2817041. 8. ISI Flaw NDE Method of Flaw Detection: Eddy Current Testing Report Number: 9. Evaluation of the suitability of this work as per the requirements of IWA - 4150: Evaluation documented in Eng DFWO# 2817041. Note, these are the new Steam Generators installed in 2003. 10. Repair/Replacement Work Organization: Westinghouse 11. Replacement Items Construction or reconciled Code/Edition: 1989 Edition & no Addenda 12. Repair/Replacement Activity Construction Code/Edition: Sec. III Cl 1, 1974 Edition 1975 Winter Addenda 13. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda ⊠ NO 14. Preservice Inspection Required: ☐ YES _Date 10-16-06 If required, include a step in the W.O. to perform Preservice Inspection 15. ASME Section XI Pressure Test Required: ☐ YES \boxtimes NO _ Date 10-16. D6 If required, include a step in the W.O. for ISI & ANII Inspection. 16. Include a step in the W.O. to verify NIS-2 Form has been completed by 15 Date 10-16-06 ISI & ANII prior to approving INP525 Status. 17. Include a step in the W.O. to record below all applicable numbers for Date 10-16-06 replacement items. Item ID Part No. Serial No. Heat No. MR/PO/WO No. Tube Plugs APN 00097721 See Attached List See Attached List MR 1146860 Printed Name: DANIO M. GOODET Printed Name: R. P. INDAP Log Entry RPD 10-16-06 18. Planner Signature 10-16-06 Signature Printed Name: R.C. HOGSTROM 10-17-06 20. ANII 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: Arizor	na Public Service (Company, et. al.		Date: <u>10-</u>	<u>16-2006</u>		
<u>P. O. B</u>	Box 53999, Phoeni	x Arizona 85072-20	<u>)34</u>	Sheet: 1	<u>l</u> of <u>2</u>		
2. Plant: Palo V	erde Nuclear Gene	erating Station		Unit: <u>2</u>	:		
<u>5801 S</u>	outh Wintersburg	Road., Tonopah, Ai	rizona 8535	4-7529 Work Orde	er Number	<u>2817052</u>	
3. Work Performe	d by: Westinghouse			Type of Co	ode Stamp	None	
			*	Authorizat	ion No.	<u>N/A</u>	· .
4. Identification of	f System: <u>RC: Reac</u>	tor Coolant System		Expiration	Date N/	A	
5. (a) Applicable	Construction Code A	ASME Section III NB	, Class 1 1	1989 Edition, no Adder	nda, <u>no</u> Co	de Case,	
, 		I Utilized for Repairs red or Replaced and F		ments: 1992 Edition, Components	1992 Ad	denda	
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)
Steam Generator	Ansaldo	211	N/A	2MRCEE01B	2002	Repaired	YES
Tube/Plugs	Westinghouse	N/A	N/A	N/A	2006	Replacement	NO
					·		
:						*	
	Hydrostatic	Pressure psi] Nomi	IAW DFWO# 28170 inal Operating Pressure Test Tem ings may be used pro	e 🔲 l	Exempt 🔀°F or size is 8 ½ X	11
inches, (2) info	ormation in items 1		ort is include	ed on each sheet, and			

FORN	INIS-	2 (Back)

Remarks: WO# 2817052 for Steam Generator#2 (2MRCE	E01B) Cold Leg, had mechanical plugs installed.
Pre-Pressured Test WO Review – ISI	N/A
ANII	N/A
Certificate	of Compliance
We cartifu that the statements made in the report are c	correct and this replacement conforms to the rules of the
ASME Code, Section XI.	offect and this replacement conforms to the fales of the
Type Code Symbol StampN/A	
Certificate of Authorization No. N/A	
Signed: Proday, ISI Ergiv Owner or Owner's Designee, Title	Date: 10-26-2006
Owner or Owner's Designee, Title	Date.
CERTIFICATE OF INS	SERVICE INSPECTION
I the undersigned holding a valid commission issue	ed by the National Board of boiler and Pressure Vessel
	employed by HSB CT of Hartford, Connecticut, have
inspected the components described in this Owner's	
to, and state that to the best	t of my knowledge and belief, the Owner has performed
	ibed in this Owner's Report in accordance with the
requirements of the ASME Code, Section XI.	
	is employer makes any warranty, expressed or implied,
	described in this Owner's report. Furthermore, neither
	manner for any personal injury or property damage or a
loss of any kind arising from or connected with this in	spection.
24/-	O
KU Tyton	Commissions: NB 9685 "N" "I" AZ264 National Board, State, Province, and Endorsements
V Inspectors Signature ™	Tradomi Demo, Futo, 1 (Vineo, and Dadoisellollis
Date: 10-26-06	
Date.	
4 - 11	

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- 1. Component ID: 2MRCEE01B-SN211
- 2. Item Description: Steam Generator #23. N-5 Data Package Number: n/a
- 4.W.O. Number: 2817052
- 5. Original Construction Code Edition: 1989 Edition & no Addenda
- 6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda

DFWO 2817048 and DIWO 2817052

Steam Generator (2MRCEE01B) Cold Leg, had mechanical plugs (Westinghouse part # 76546/APN 00097721) obtained via MR -1146860 installed in the following locations:

Row	Col
39	86
48	89
41	90
43	90
42	91
45	··104
47	104
46	107
45	108
43	112
41	114
40	115
45	116
39	118
165	124
167	124
166	125

These plugs were from heat NX3171HK.

	ASME SECTION	XI – REPAIR / REP	LACEMENT	
			Pa	ge 1 of (
1. Component ID <u>2PC006H</u>				
 Item Description: <u>1/4 KI</u> N-5 Data Package Number 	•	4. W.O. Number:	2823685	* · · ·
5. Original Construction Cod		•	2023003	
6. Original Installation Code				
7. Work Description: Repl	The second secon	•		
8. ISI Flaw	1	NDE Method of Flaw D	Detection:	
		Report Number:		
9. Evaluation of the suitability	ty of this work as per the	requirements of IWA - 4150):	
The snubber failure is mo	ost likely due to pipe vibra	ation not faulty snubber des	ign. A "like for like" rep	placement is being
performed.				.*
		, , , , , , , , , , , , , , , , , , ,		
10. Repair/Replacement Wor	k Organization: Arizon	a Public Service		•
11. Replacement Items Cons				
12. Repair/Replacement Acti	=		974 Edition Winter 197	75 Addenda
13. ASME Section XI Code/				
14. Preservice Inspection Re	quired:	⊠ YES □ NO)	`
InitialDWS Date _1	0/25/2006 If require	ed, include a step in the W.C	D. to perform Preservice	Inspection
15. ASME Section XI Pressu		☐ YES ⊠ N	g. fe	
	If require	ed, include a step in the W.C	O. for ISI & ANII Inspec	ction.
InitialDWS Date _1	0/23/2006	ide a step in the W.O. to ver		
Initial _DWS Date _1		k ANII prior to approving I		on completed by
	17. Inclu	ide a step in the W.O. to rec	ord below all applicable	e numbers for
InitialDWS Date _1		cement items.		
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
1/4 KIP Snubber	1801104-05	18486 Res	N/A	WO #2665825 Puz
		10/26/66		10/25/0
		18721		1156966
·				
18. Planner DWSMa	11-	Printed Name	:David Shaffer	
Signature	10/.	Date Trimited Training	Duvid Sharror	
10 rox A/1 1/1	PER TEL COM	/ / D: (11)		T in Factor
19. ISI (1) Signature	K- LNDAP	Date Printed Name	: DAULD SHAFFER	Log Entry
1/-	· ·		0 / J =	
20. ANII		Date Printed Name	R.G. HOGSTROM	
Signature				

1. Owner: Arizo	na Public Service (Company, et. al.			Date: <u>10</u>	/25/2006		· ·
<u>P. O. I</u>	30x 53999, Phoeni	x Arizona 85072-20	034		Sheet:	<u>1</u> of <u>2</u>	••	
2. Plant: Palo V	erde Nuclear Gen	erating Station			Unit: 2			
<u>5801 S</u>	South Wintersburg	Road., Tonopah, A	rizona 8535	54-7529	Work Ord	er Numbe	z <u>2823685</u>	
3. Work Performe	d by: <u>Arizona Public</u>	<u>Service</u>			Type of C	ode Stamp	None None	
			,		Authoriza	tion No.	<u>N/A</u>	
4 Identification of	f System: <u>Fuel Poo</u>	l Cooling - "PC"			Expiration	Date N/	<u>'A</u>	
		ASME Section III NF	. Class 3	1974 Editio	n. Summer	1976 Add	enda. 1/644-5 Co	ode Case
		I Utilized for Repair						
		red or Replaced and I						
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Ot	her ication	Year Built	Repaired or Replacement	ASME Code Stamped
Vi _j	- : .							(Yes or No)
1/4 KIP Snubber	Pacific Sceintific	38139	N/A	2PC006H	016	1980	Replaced	YES
1/4 KIP Snubber	Pacific Sceintific	18721	N/A	2РС006Н	016	1981	Replacement	YES
·								
					-			
7. Description of V	Work: Replaced th	e Snubber due to fa	iled snubbe	er test		, 2		
8. Test Conducted	: Hydrostatic	Pneumatic [Nomi	inal Operati	ng Pressur	e 🔲 🗆	Exempt 🛛	
<u>N-4</u>	116-2 Other	Pressure psi		:	Test Ten	perature	°F	
			· · · · · · · · · · · · · · · · · · ·					
inches, (2) info	ormation in items 1	orm of lists, sketched thru 6 on this reported at the to of this is	rt is include					

	FORM NIS-2 (Back)
ેં).	
	snubber S/N 18721.
Pr	re-Pressured Test WO Review – ISI
	ANII
	Certificate of Compliance
,	We certify that the statements made in the 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:
)	
	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>HSB CT</u> of <u>Hartford, Connecticut</u> , have
	inspected the components described in this Owner's report during the period of o-28-06 to o-28-06, 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" "I" AZ264 National Board, State, Province, and Endorsements
	Vinspectors Signature
)	Date: 10-28-06

	ASME SECTION A	II – KEPAIK / KEPL		1 2 4
			Pag	ge of
1. Component ID <u>2JCHELV</u>				
2 Item Description: 2" Fish				
3. N-5 Data Package Number5. Original Construction Cod		4. W.O. Number: <u>2</u>	<u>823281</u>	
6. Original Installation Code	*			
= :	ssemble valve for replaceme	* .	s as necessary and the	en reassemble renack &
·	test.	ont of cage. Rework interna-	is as necessary and the	on reassemble, repack &
8. 🗌 ISI Flaw		NDE Method of Flaw Det	ection: n/a	
According to the second of the		Report Number: n/a		
9. Evaluation of the suitabilit	ty of this work as per the req	uirements of IWA - 4150:		•
Not a failure of the ASM	E pressure boundary. The pl	ug/stem assembly may be r	eplaced if visual inspe	ection shows wear.
		`	•	
10. Repair/Replacement Wor	k Organization: Arizona F	Public Service		
11. Replacement Items Cons	· •		4 Edition Summer 19	75 Addenda
12. Repair/Replacement Acti				
13. ASME Section XI Code/			•••	
14. Preservice Inspection Rec	quired:	☐ YES 🛛 NO		•
Initial Punh Date 7-	75-D/ If required	include a step in the W.O.	to parform Pracarvica	Inspection
15. ASME Section XI Pressu	<u> </u>		to perform Freservice	Inspection
	•		C- TOT O ANTITY	
Initial Purp Date 7	7	include a step in the W.O.	for 151 & ANII Inspec	tion.
Initial Puß Date 7	16. Include component.	e a step in the W.O. to comp	olete NIS-2 Form prior	r to releasing the
	•	t		
Initial Myss Date 7	17. Include replacemen	e a step in the W.O. to recor	d below all applicable	numbers for repaired o
	I		TY4 N/-	I MP/PO/THO N
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No
plug / stem assembly	APN 45160188	A15733-3	725141	MR 1122138
5.438				
			•	40%
				-
				
•		<u> </u>		
			`	
18. Planner Signature		Printed Name: I	David Goodlet	
19. ISI RPMdo	m 7/2	5/06 Printed Name:	RP. IND	AP Log Entry RP
Signature	D	ate		
20. ANII Ry fortant	7-26	-06 Printed Name:	R.G. HOUSTR	Paul
Signature	Da	ate		

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

As Required by the Provisions of the ASME Code Section XI

1. Owner: Arizon	na Public Service (Company, et. al.			Date: 7/2	<u> 20/2006</u>		
<u>P. O. F</u>	30x 53999, Phoeni	x Arizona 85072-20	<u>)34</u>		Sheet:	<u>1</u> of <u>2</u>		
2. Plant: Palo V	Verde Nuclear Gene	erating Station			Unit: 2			
<u>5801 S</u>	South Wintersburg	Road., Tonopah, A	rizona 853:	<u>54-7529</u>	Work Ord	ler Number	r <u>2825281</u>	•
3. Work Performe	ed by: Arizona Public	2 Service		•	Type of C	ode Stamp	None None	• .
	•		. ,		Authoriza	tion No.	<u>N/A</u>	. :
					Expiration	Date <u>N/</u>	<u>'A</u>	
4. Identification of	f System: CH: Che	mical and Volumn Co	ontrol Syster	<u>n</u>				
5. (a) Applicable	Construction Code /	ASME Section III NC	. Class 2	<u>1974</u> Editio	n, <u>Summer</u>	<u>1975</u> Add	enda, Co	de Case
(b) Applicable	Edition of Section Y	XI Utilized for Repairs	s or Replace	ments: <u>19</u>	92 Edition	<u>, 1992 Ad</u>	Idenda	
6. Identification of	f Components Repai	ired or Replaced and F	Replacement	Componer	nts		-	
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.		ther fication	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or
) Valve	Fisher	6549793	N/A	2JCHELV	VO110P	1979	Repaired	No)
Plug/Stem assy	Fisher	A15733-3	n/a	2JCHELV		2006	Replacement	YES
Flugation and	Fisher	A15/55-5	10 α	230111_	/01101	2000	Replacomo	11
	,	·						
				· · ·			4,57 12. Mr.	
	- 1990 - 1900 -						81	
			·				·	
7. Description of V	Work: <u>Disassembl</u>	e valve for replacen	nent of cag	e. Replace	d plug/ste	m assemb	oly due to wear	<u></u>
8. Test Conducted:	l: Hydrostatic	Pneumatic [Nom	inal Operat	ing Pressure	e 🔲 !	Exempt 🛚	· ·
N-2	416-2 Other	r Pressure psi	i	•	Test Ten	mperature	°F	•
And the same								
inches, (2) info	ormation in items 1	form of lists, sketche I thru 6 on this reported ded at the to of this f	ort is include	•	-			

FORN	I NIS-2	(Back)
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TEDIACEO GUE TO WEST	embled valve for cage replacement. The plug/stem assy was
replaced due to wear.	
e-Pressured Test WO Review – ISI	√ \
-1 lessuled lest WO Review – ISI	*
ANII	14.
-	
attriana y service a service de la service d	
Certificate	of Compliance
	,
	orrect and this replacement conforms to the rules of the
ASME Code, Section XI.	
Type Code Symbol Stamp N/A	· · · · · · · · · · · · · · · · · · ·
Certificate of Authorization NoN/A	Expiration Date:N/A
Signed: RL. Brawsin Del 151 E	NG Date: 7-28-06
Owner or Owner's Designee, Title	Dutt
	SERVICE INCREASE
CERTIFICATE OF INS	SERVICE INSPECTION
CERTIFICATE OF INS	SERVICE INSPECTION
I, the undersigned, holding a valid commission issue	d by the National Board of boiler and Pressure Vessel
I, the undersigned, holding a valid commission issue. Inspectors and the State or Province of Arizona and en	d by the National Board of boiler and Pressure Vessel mployed by HSB CT of Hartford, Connecticut, have
I, the undersigned, holding a valid commission issue. Inspectors and the State or Province of <u>Arizona</u> and entities inspected the components described in this Owner's respectively.	d by the National Board of boiler and Pressure Vessel mployed by <u>HSB CT</u> of <u>Hartford, Connecticut</u> , have report during the period of
I, the undersigned, holding a valid commission issued. Inspectors and the State or Province of Arizona and elinspected the components described in this Owner's to	d by the National Board of boiler and Pressure Vessel mployed by HSB CT of Hartford, Connecticut, have report during the period of 7-26-05 of my knowledge and belief, the Owner has performed
I, the undersigned, holding a valid commission issue. Inspectors and the State or Province of Arizona and en inspected the components described in this Owner's a to, and state that to the best examinations and taken corrective measures descri	d by the National Board of boiler and Pressure Vessel mployed by HSB CT of Hartford, Connecticut, have report during the period of 7-26-05 of my knowledge and belief, the Owner has performed
I, the undersigned, holding a valid commission issued. Inspectors and the State or Province of Arizona and elimspected the components described in this Owner's to	d by the National Board of boiler and Pressure Vessel mployed by HSB CT of Hartford, Connecticut, have report during the period of 7-26-05 of my knowledge and belief, the Owner has performed
I, the undersigned, holding a valid commission issue. Inspectors and the State or Province of Arizona and en inspected the components described in this Owner's a to, and state that to the best examinations and taken corrective measures descri	d by the National Board of boiler and Pressure Vessel mployed by HSB CT of Hartford, Connecticut, have report during the period of 7-26-05 of my knowledge and belief, the Owner has performed
I, the undersigned, holding a valid commission issue. Inspectors and the State or Province of Arizona and en inspected the components described in this Owner's at to	d by the National Board of boiler and Pressure Vessel mployed by HSB CT of Hartford, Connecticut, have report during the period of 7-26-05 of my knowledge and belief, the Owner has performed
I, the undersigned, holding a valid commission issued Inspectors and the State or Province of Arizona and exinspected the components described in this Owner's reto, and state that to the best examinations and taken corrective measures described requirements of the ASME Code, Section XI.	d by the National Board of boiler and Pressure Vessel mployed by HSB CT of Hartford, Connecticut, have report during the period of 7-26-05 of my knowledge and belief, the Owner has performed bed in this Owner's Report in accordance with the
I, the undersigned, holding a valid commission issue. Inspectors and the State or Province of Arizona and exinspected the components described in this Owner's to, and state that to the best examinations and taken corrective measures described requirements of the ASME Code, Section XI.	d by the National Board of boiler and Pressure Vessel mployed by HSB CT of Hartford, Connecticut, have report during the period of 7-26-05 of my knowledge and belief, the Owner has performed bed in this Owner's Report in accordance with the
I, the undersigned, holding a valid commission issue. Inspectors and the State or Province of Arizona and en inspected the components described in this Owner's to	d by the National Board of boiler and Pressure Vessel mployed by HSB CT of Hartford, Connecticut, have report during the period of 7-26-05 of my knowledge and belief, the Owner has performed bed in this Owner's Report in accordance with the is employer makes any warranty, expressed or implied, described in this Owner's report. Furthermore, neither
I, the undersigned, holding a valid commission issue. Inspectors and the State or Province of Arizona and elinspected the components described in this Owner's requirements and taken corrective measures described requirements of the ASME Code, Section XI. By signing this certificate, neither the Inspector nor heconcerning the examinations and corrective measures the Inspector nor his employer shall be liable in any respector.	d by the National Board of boiler and Pressure Vessel mployed by HSB CT of Hartford, Connecticut, have report during the period of 7-26-05 of my knowledge and belief, the Owner has performed bed in this Owner's Report in accordance with the described in this Owner's report. Furthermore, neither nanner for any personal injury or property damage or a
I, the undersigned, holding a valid commission issue. Inspectors and the State or Province of Arizona and en inspected the components described in this Owner's to	d by the National Board of boiler and Pressure Vessel mployed by HSB CT of Hartford, Connecticut, have report during the period of 7-26-05 of my knowledge and belief, the Owner has performed bed in this Owner's Report in accordance with the described in this Owner's report. Furthermore, neither nanner for any personal injury or property damage or a
I, the undersigned, holding a valid commission issue. Inspectors and the State or Province of Arizona and elimspected the components described in this Owner's to, and state that to the best examinations and taken corrective measures described requirements of the ASME Code, Section XI. By signing this certificate, neither the Inspector nor his concerning the examinations and corrective measures the Inspector nor his employer shall be liable in any respector.	d by the National Board of boiler and Pressure Vessel mployed by HSB CT of Hartford, Connecticut, have report during the period of 7-26-05 of my knowledge and belief, the Owner has performed bed in this Owner's Report in accordance with the described in this Owner's report. Furthermore, neither nanner for any personal injury or property damage or a spection.
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I, the undersigned, holding a valid commission issue. Inspectors and the State or Province of Arizona and elimspected the components described in this Owner's to, and state that to the best examinations and taken corrective measures described requirements of the ASME Code, Section XI. By signing this certificate, neither the Inspector nor his concerning the examinations and corrective measures the Inspector nor his employer shall be liable in any respector.	d by the National Board of boiler and Pressure Vessel mployed by HSB CT of Hartford, Connecticut, have report during the period of 7-26-05 of my knowledge and belief, the Owner has performed bed in this Owner's Report in accordance with the described in this Owner's report. Furthermore, neither nanner for any personal injury or property damage or a spection.
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V216-08NI (8-88) 73DP-9ZZ17 Rev 9

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL **NUCLEAR PARTS AND APPURTENANCES***

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

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Serial Number AI5733-1 AI5733-2 AI5733-3 AI5733-4) 0 1 1 2 3 4 5 6 7 8 9 0 1 Serial Number AI5733-1 AI5733-2 AI5733-3 AI5733-4	725141 725141 725141	(27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (44)	Serial Number			
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Serial Number AI5733-1 AI5733-2 AI5733-3 AI5733-4 AI5733-4 D D D D D D D D D D D D D	725141 725141 725141	(27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (44) (45) (46) (47)	Serial Number			
Serial Number AI5733-1 AI5733-2 AI5733-3 AI5733-4 AI5733-4 AI5733-4 AI5733-4 AI5733-1 AI5733-3 AI5733-4 AI5733-1 AI5733-3 AI5733-4 AI5733-3 AI5733-1 AI573-1 AI5733-1 AI5733-1 AI5733-1 AI5733-1 AI5733-1 AI5733-1 AI5733-1 AI5733-1 AI5733-1 AI5733-1 AI5733-1 AI5733-1 AI573	725141 725141 725141	(27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46) (47) (48)	Serial Number			
Serial Number AI5733-1 AI5733-2 AI5733-3 AI5733-4 AI5733-4 D D D D D D D D D D D D D	725141 725141 725141	(27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46) (47) (48) (49)	Serial Number			
Serial Number AI5733-1 AI5733-2 AI5733-3 AI5733-4 AI5733-4 D O O O O O O O O O O O O	725141 725141 725141	(27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46) (47) (48)	Serial Number			
Serial Number AI5733-1 AI5733-2 AI5733-3 AI5733-4 AI5733-4 D D D D D D D D D D D D D	725141 725141 725141	(27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46) (47) (48) (49)	Serial Number			
Serial Number AI5733-1 AI5733-2 AI5733-3 AI5733-4 AI57	725141 725141 725141	(27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46) (47) (48) (49)	Serial Number			

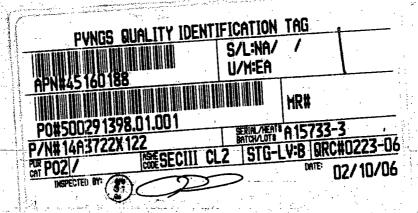
^{*}Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet. (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM N-2 (back)

net hadde galleriae na hell to be better better better better better better better better better better better

activated a first tracking tracking the titlet Mfr. Serial No. Al5733-1 thru -4 CERTIFICATION OF DESIGN Design specifications certified by NY P.E. State (when applicable) Design report* certified by P.E. State N/A N/A Reg. no. (when applicable) CERTIFICATE OF SHOP COMPLIANCE We certify that the statements made in this report are correct and that this (tilese) Plug/Stem conforms to the rules of construction of the ASME Code, Section III. NPT Certificate of Authorization No. Name FISHER CONTROLS INT'L LLC (NPT Certificate Holder) (authorized representative) CERTIFICATE OF SHOP INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state or Province of and employed by Hartford Steam Boiler of CT Hartford, CT have inspected these items described in this Data Report on best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III. Each part listed has been authorized for stamping on the date shown above. By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. more, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected is inspection. Commissions (Authorized Inspector) (Nat'l. Bd. (incl. endorsements) state or prov. and no.)

2-36-6.doc



137 6

	ASME SECTION	XI – REPAIR / REP	LACEMENT	
			Pa	geof
1. Component ID 2JCHELV	V0110Q			•
? Item Description: 2" Fisl				
3. N-5 Data Package Number		4. W.O. Number:	2825287	
5. Original Construction Cod				
 Original Installation Code Work Description: <u>Disa</u> 			ocamble reneals & AON	Ltoot
8. ISI Flaw	issemble valve for hispecti	NDE Method of Flaw D		r test.
o	*	Report Number:		
9. Evaluation of the suitabili	ty of this work as per the r	-	•	
Not a failure of the ASM	E pressure boundary. The	plug/stem assembly may be	replaced if visual inspe	ection shows wear.
		•		
.10. Repair/Replacement Wo	rk Organization: Arizona	Public Service	•	
11. Replacement Items Cons	truction or reconciled Cod	e/Edition: Sec. III Cl 2, 19	974 Edition Summer 19	75 Addenda
12. Repair/Replacement Act			Edition 1975 Winter A	ddenda
13. ASME Section XI Code/		nd 1992 Addenda		
14. Preservice Inspection Re	quired:	☐ YES 🖾 NO	•	
Initial Mary Date	3-9-06 If require	d, include a step in the W.O	. to perform Preservice	Inspection
15. ASME Section XI Pressu	re Test Required:	☐ YES ⊠ NC	•	
nitial Derly Date	If require	d, include a step in the W.O	. for ISI & ANII Inspec	tion.
∀	16 71	de a step in the W.O. to con	unlete NIS-2 Form prior	r to releasing the
Initial Mary Date 3	componer	-		to roroasing the
Drace .	17. Inclu	de a step in the W.O. to reco	ord below all applicable	numbers for repaired or
Initial Many Date 3	replaceme		••	•
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
plug / stem assembly	APN 45160188	A15733-2	725141	MR 1074707
			w [*]	
			·	
18. Planner Dankar	Jan 3-9-	2026 Printed Name:	David Goodlet	
Signature		Date	David Goodict	;
19. ISI PANO	ap 3-9-04	Printed Name:	R.P INDAP	RPP
Signature	···	Date Printed Name:	17 217111	Log Entry O
Da 12 /-			· · · · · · · · · · · · · · · · · · ·	# Signature of the state of the
0. ANII Signature		Printed Name:	R.G. HOGSTRO	
PV216-08NJ (8-88)				

Owner: Arizo	ona Public Service (Company, et. al.			Date: 3/9	9/2006		٠,	
<u>P. O. J</u>	Box 53999, Phoeni	ix Arizona 85072-20	034		Sheet:	<u>1</u> of <u>2</u>	• • • • • •		
2. Plant: Palo V	Verde Nuclear Gene	erating Station			Unit: <u>2</u>			·	
<u>5801 \$</u>	South Wintersburg	Road., Tonopah, A	rizona 853.	<u>54-7529</u>	Work Ord	er Numbe	er <u>2825287</u>		
3. Work Performe	ed by: <u>Arizona Public</u>	c Service			Type of C	ode Stamp	None None		
٠,	Authorization No. N/A								
e • • .		·	,		Expiration	Date <u>N</u> /	<u>'A</u>		
4. Identification o	f System: CH: Che	emical and Volumn Co	ontrol Syster	<u>n</u>		• •.			
5. (a) Applicable	Construction Code 1	ASME Section III NC	., Class 2	1974 Editio	n, <u>Summer</u>	<u>1975</u> Add	ienda, Co	de Case	
(b) Applicable	Edition of Section >	XI Utilized for Repairs	s or Replace	ments: <u>199</u>)2 Edition	, 1992 Ac	ldenda /		
6. Identification of	f Components Repai	ired or Replaced and F	Replacement	Componen	ıts	. 1			
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Otl Identif		Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)	
Valve	Fisher	6549794	N/A	2JCHELV	/0110Q	1979	Repaired	YES	
Plug/Stem assy	Fisher	A15733-2	n/a	2JCHELV	/0110Q	2006	Replacement	YES	
				·					
							্র কর্ম ১০১		
7. Description of V	Work: Disassemble	e valve and inspect i	internals du	ie to low f	low rate.				
8. Test Conducted:	l: Hydrostatic	Pneumatic] Nomi	inal Operatii	ng Pressure	; 🗌 . I	Exempt 🛛	•	
N-4	416-2 Other	Pressure psi			Test Tem	iperature	•F		
							· · ·	<u>.</u>	
inches, (2) info	ormation in items 1	orm of lists, sketche thru 6 on this reportled at the to of this f	rt is include						

- 3	Remarks: WO# 2825287 on valve 2JCHELV0110Q disassembled and rework valve. The plug/stem assy was replaced
((due to wear.
Pr	re-Pressured Test WO Review – ISI
	ANII ~ /A
٠.	αw
ı	
	Certificate of Compliance
	We certify that the statements made in the 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: Tutbott SR-ISI ENGINEER Date: 3/13/06 Owner or Owner's Designee, Title
	Signed: Fuglotit SR-ISI ENGINEER Date: 3/13/06
	Owner or Owner's Designee, Title
. 1	
37	
	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>HSB CT</u> of <u>Hartford</u> , <u>Connecticut</u> , have
	inspected the components described in this Owner's report during the period of 3-9-06 to 3-4-06, 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" "I" AZ264
-	Inspectors Signature National Board, State, Province, and Endorsements
	Date: 3-14-06
1 2	

216-08NI (8-88) 73DP-9ZZ17 Rev 9

NUCLEAR PARTS AND APPURTENANCES*

WO 2825287

As Required by the Provisions of the ASME Code, Section III Not to exceed One Day's Production

500291398 It #1 Pg. 1 of 1 FISHER CONTROLS DIT'L LLC. 205 SOUTH CENTER STREET, MARSHALLTOWN, IA. 50158 hursed and certified by (name and address of NPT Certificate Holder) Pinnacle West Capital Corp., PO Box 53940, Phoenix, AZ 85072 2. Manufactured for (name and address of purchaser) Palo Verde Nuclear Station, 5801 South Wintersburg Rd, Tonopah. AZ 85354 3. Location of installation (name and address) SA479 S31603 70 KS1 14A3722 Rev. C 2006 (drawing no.) (mat'l. spec. no.) (tensile strength) (CRN) (year built) 1974 Summer 1975 (Code Case no.) (edition) (addenda date) (class) Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Date Design: ASME BPVC Sec III, 1974 Edition, Summer 1975 Addenda, Class 2 Remarks: Other: ASME BPVC Sec III, 1989 Edition, No Addenda, Class 2 Nom: thickness (in.) N/A Min. design thickness (in.) N/A Dia ID (ft &in.) N/A Length overall (ft & in.) When applicable, Certificate Holders' Data Reports are attached for each item of this report: Part or Appurtenance Heat Number Heat Number Part or Appurtenance Serial Number Serial Number (1) 725141 (26)AI5733-1 A15733-2 725141 (27)(2)(3) AJ5733-3 725141 (28)AI5733-4 (29)(4)725141 (5) (30)(6) (31)(7) (32)(8) (33)(9) (34)(10)(35)(11)(36)(12)(37)(13) (38)(39) (14)(15)(40)(16)(41)(17)(42)(18)(43) (44)(19)(20)(45)(21)(46)(22)(47)(23)(48)(24)(49)(25)(50)

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

Hydro, test pressure

(when applicable)

550

2485

10. Design Pressure

MD 7272381

Mfr. Serial No. Al5733-1 thru -4

p	·	·						
CERTIFICATION OF DESIGN								
Duning specifications certified by	T. L. Kettles	P.E. State	NY	Reg. no.	PE029729			
	(when applicable)							
Design report* certified by	N/A	P.E. State	N/A	Reg. no.	N/A			
	(when applicable)	·						
CERTIFICATE OF SHOP COMPLIANCE								
We cent fy that the statements mad	e in this report are correct and that this (these)	Plug/Stem		•				
conforms to the rules of construction	on of the ASME Code, Section III.				······································			
NPT Certificate of Authorization N	No. 1930	Expires		10-27-2007				
Date 2/7/06 Name	FISHER CONTROLS INT'L LLC	, ·	· .	Signed Sinno	da Ward			
	(NPT Certificate Holder)			(au	thorized representative)			
-2	CERTIFICATE O	OF SHOP INSPE	CTION		/			
I the undersigned holding a valid	commission issued by the National Board of Bo	iler and Pressure	Vessel Inspectors and	the state or Province	onf James			
	eam Boiler of CT	mor and ressure	vesser mapeetors and	ole state of Provide	of lowa			
of Hartford, CT	have inspected these items described in this			F-06	and state that to the			
	ne Certificate Holder has fabricated these parts	or appurtenances i	n accordance with the	ASME Code, Section	on III. Each part listed has			
been authorized for stamping on the	e date shown above. the inspector nor his employer makes any warra	ntu averenned or i	implied concerning th	e equipment donouil	ad in Abia Dava Davasa			
	nor his employer shall be liable in any manner f							
will isig inspection.	· · ·	, p	, , , , , , ,		a a sing non or connected			
		•		•				
Da. 2-8-06 Signed	Lat Cockety	Commissions	822	IA.				
Sec.	(Authorized Inspector)		(Nat'l. Bd. (i	incl. endorsements) s	tate or prov. and no.)			

2-36-6.doc

ASME SECTION XI - REPAIR / REPLACEMENT Page ___ of __\ 1. Component ID 2JSIBUV0674 2... Item Description: A TRAIN CONTAINMENT RECIRC SUMP TO SI TRAIN 'A' CONTAINMENT ISOLATION VALVE 3. N-5 Data Package Number: 2SI01-7 4. W.O. Number: 2830286 5. Original Construction Code Edition: 1974 Edition, Winter 1975 Addenda 6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda 40-24-06 7. Work Description: Replace the gasket retainer bolts per EDC 2005-00667 2006-00892 Jo 10-24-06 8. SI ISI Flaw NDE Method of Flaw Detection: Report Number: 9. Evaluation of the suitability of this work as per the requirements of IWA - 4150: THE BOLTS ARE BEING REPLACED AS A PRECAUTIONARY MEASURE WITH MORE SCC RESISTANT MATERIAL (410 VS 17-4PH) 10. Repair/Replacement Work Organization: Arizona Public Service 11. Replacement Items Construction or reconciled Code/Edition: Sec. III Cl 2, 1974 Edition 1974 Winter Addenda 12. Repair/Replacement Activity Construction Code/Edition: Sec. III Cl 2, 1974 Edition 1975 Winter Addenda 13. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 14. Preservice Inspection Required: ☐ YES ⋈ NO Initial MA _ Date _____ If required, include a step in the W.O. to perform Preservice Inspection 15. ASME Section XI Pressure Test Required: ☐ YES ⊠ NO If required, include a step in the W.O. for ISI & ANII Inspection. Initial ω/A Date 16. Include a step in the W.O. to complete NIS-2 Form prior to releasing the Initial J.D Date 4-34-06 component. 17. Include a step in the W.O. to record below all applicable numbers for repaired or Initial J. Date 4 24-06 replacement items. Part No. Heat No. MR/PO/WO No. Item ID Serial No. 0105 Gasket retainer bolts APN 00090043 N/A MR 1090865 4-24-06 Printed Name: James I. Davis 18. Planner 4-26-06 Printed Name: WILEY AKLSTROM Log Entry wor

4-26-06

Date

PV216-08NI (8-88)

20. ANII

Printed Name: _ RC HOGSTROM

,								
1. Owner: Arizo	na Public Service (Company, et. al.		Date:	10/24/200	<u>)6</u>		
<u>P. O. I</u>	<u>30x 53999, Phoeni</u>	x Arizona 85072-	2034	Sheet	: <u>1</u> of	2		
2. Plant: Palo V	erde Nuclear Gen	erating Station		Unit:	2			
<u>5801 S</u>	South Wintersburg	Road., Tonopah,	Arizona 8535	54-7529 Work	Order Nun	nber <u>2830286</u>		
3. Work Performe	ed by: <u>Arizona Public</u>	Service		Туре	of Code Sta	imp <u>None</u>	•	
Authorization No. <u>N/A</u>								
•				Expir	ation Date	<u>N/A</u>		
4. Identification o	f System: Safety In	jection			•	· ·		
5. (a) Applicable	Construction Code A	ASME Section III N	IC, Class 2	1974 Edition, Win	ter 1975 A	ddenda, Co	ode Case	
(b) Applicable	Edition of Section >	KI Utilized for Repa	irs or Replace	ments: 1992 Edi	tion, 1992	Addenda		
6. Identification o	f Components Repai	red or Replaced and	d Replacement	Components				
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or NO)	
Valve	Posi -Seal	143384A	N/A	2JSIAUV0674	1979	Repaired	YES	
		- /-	N/A	2JSIAUV0674	2006	Replacement	NO	
Gasket retainer bolts	N/A	NA	14/14	2301110 10074		xtopiaoomont		
	N/A	N(A	14/14	2351110 4 0074	2000			
	N/A	N (A	1071	230110 10074				
bolts	N/A Work: Replace the					e paragraphic	006-00992	
bolts	Work: Replace the	gasket retainer b	olting as requ		M13 #276	e paragraphic	006-00992	
7. Description of V	Work: Replace the : Hydrostatic	gasket retainer b	olting as requ	ired per ENG-D	M13 #276	0330 & EDC 20	006-00992	
7. Description of V 8. Test Conducted N-4 NOTE: Suppl	Work: Replace the : Hydrostatic 416-2 □ Other emental sheets in f	gasket retainer be Pneumatic Pressure	olting as required normal objects. Or drawing these of drawing the second normal objects of the second normal objects.	ired per ENG-Dinal Operating Pre	M13 #276 ssure Temperatu	0330 & EDC 20 Exempt re °F (1) size is 8 ½ 2	X 11	
7. Description of V 8. Test Conducted N-4 NOTE: Supplinches, (2) info	Work: Replace the Hydrostatic 116-2 Other	gasket retainer be Pneumatic Pressure	olting as required on the solution of the solu	ired per ENG-Dinal Operating Pre	M13 #276 ssure Temperatu	0330 & EDC 20 Exempt re °F (1) size is 8 ½ 2	X 11	

7	FORM NIS-2 (Back)						
9.	Remarks: Work Order 2830286 replaced the original 410 Stainless steel gasket retainer bolts with more corrosion						
	resistant SA564, Gr 630 bolts per EDC 2006-00992 and ENG-DM13 #2760330.						
Pre	e-Pressured Test WO Review – ISI						
	ANII						
ſ	Certificate of Compliance						
١							
	We certify that the statements made in the report are correct and this repair conforms to the rules of the ASME Code, Section XI.						
	Type Code Symbol Stamp						
	Certificate of Authorization No. N/A Expiration Date: N/A						
١							
1	Signed: 18 Exernese Date: 16 25-66 Owner or Owner's Designee, Title						
I							
9							
I	CERTIFICATE OF INSERVICE INSPECTION						
ı							
	I, the undersigned, holding a valid commission issued by the National Board of boiler and Pressure Vessel						
Ì	Inspectors and the State or Province of <u>Arizona</u> and employed by <u>HSB CT</u> of <u>Hartford, Connecticut</u> , have inspected the components described in this Owner's report during the period of						
İ	to, and state that to the best of my knowledge and belief, the Owner has performed						
ı	examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.						
ı							
	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.						
1	/ ·						
l	Commissions: NB 9685 "N" "I" AZ264						
ĺ	National Board, State, Province, and Endorsements						
	Date: 11-6-06						

	ASME SECTION X	I – REPAIR / REPL	LACEMENT	
			Paş	geofl
1. Component ID 2JSIBUV	<u>0676</u>			
2 Item Description: B TRA	IN CONTAINMENT RECIP	RC SUMP TO SI TRAIN	'B' CONTAINMENT	ISOLATION VALVE
3. N-5 Data Package Number	: <u>2SI01-7</u>	4. W.O. Number:	2830288	
5. Original Construction Cod	le Edition: 1974 Edition, W	inter 1975 Addenda		•
,	Edition: 1974 Edition, Win			
	ace the gasket retainer bolts p			
8. ISI Flaw		NDE Method of Flaw De	tection:	
		Report Number:	٠.	•
9. Evaluation of the suitability	ty of this work as per the requ	irements of TWA - 4150:	TOTAL M	FASORE WITH
THE BOLTS A	LE BEING RECLA	CEP AS A TRE	CAUTIONING	
MORE SCC.	RESISTANT MATE	CIAL (410 US 17	7-4pH)	•
10. Repair/Replacement Wor				
11. Replacement Items Cons				
12. Repair/Replacement Acti	-	·	Edition 1975 Winter A	<u>ddenda</u>
13. ASME Section XI Code/				
14. Preservice Inspection Re	quired:] YES ⊠ NO		
Initial Date	If required, i	nclude a step in the W.O.	to perform Preservice	Inspection
15: ASME Section XI Pressu	re Test Required:] YES 🛛 NO		
Initial A MA Data	If required, i	nclude a step in the W.O.	for ISI & ANII Inspec	etion.
Initial <u>V/A</u> Date	16 7 1 1		•	
Initial J. D Date 4	component.	a step in the W.O. to com	piete 1413-2 Porm prio	to releasing the
/	17 Include	a step in the W.O. to reco	ed balaw all applicable	numbers for renaired or
Initial Date 4	replacement		id below all applicable	thumbers for repaired or
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
Gasket retainer bolts	APN 00090043	N/A	Внн	MR 1090866
			1	NAC 105000
			 	
		· · · · · · · · · · · · · · · · · · ·		
				·
				
			<u></u>	<u> </u>
18. Planner	fa- 4-24-	I Trinca Ivanic.	James I. Davis	
Signature	Dat	e		3
19. ISI THE STA	11 772	Printed Name:	WILEY AHLSTROM	Log Entry wow
Signature	Dat			Dog Linky
) MLT	- : 4-26-	0(R.G. Houstrom	•
20. ANII Signature	Dat	Printed Name:	7.CE. 15CE 1 4011	· · · · · · · · · · · · · · · · · · ·
PV216-08NI (8-88)		-	 	73DP-9ZZ17 Rev 9

1. Owner: Ari	zona Public Service	Company, et. al.		Date	10-11-06		
<u>P. C</u>	D. Box 53999, Phoeni	x Arizona 85072-	-2034	Shee	t: <u>l</u> of	2	
2. Plant: Pale	o Verde Nuclear Gen	erating Station		Unit	2		
<u>580</u>	1 South Wintersburg	Road., Tonopah,	Arizona 853	54-7529 Worl	Order Nun	nber <u>2830288</u>	
3. Work Perfor	med by: <u>Arizona Publi</u>	c Service		Туре	of Code Sta	ımp <u>None</u>	· .
•				Auth	orization No	o. <u>N/A</u>	-
			· 	Expi	ration Date	N/A	
. 4. Identification	n of System: Safety In	ijection			•		
-5(a)- Applical	ole Construction Code	ASME Section III N	NC, Class 2	1 <u>974</u> Edition, <u>Wi</u>	nter 1975 A	ddenda,- <u> /</u> Co	ode Case
(b) Applica	ble Edition of Section 2	I Utilized for Repa	airs or Replace	ments: <u>1992 Ed</u>	ition, 1992	Addenda	
6. Identification	n of Components Repai	ired or Replaced an	d Replacement	Components			
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or
Valve	Posi -Seal	143384B	N/A	2JSIBUV0676	1979	Repaired	NO) YES
Gasket retainer bolts	N/A	μΙα	N/A	2JSIBUV0676	2006	Replacement	NO
						7	
7. Description of	of Work: Replace the	gasket retainer b	olting as requ	ired per EDC 2	005-00668		
8. Test Conduc	ted: Hydrostatic	Pneumatic	Nom.	inal Operating Pro	essure [Exempt 🛛	<i>y</i>
:	N-416-2 Other	r Pressure	psi	Tes	t Temperatu	re °F	
					-		
inches, (2) i	oplemental sheets in the information in items to be of sheets is record	l thru 6 on this rep	port is include	•	•		
À		ļ. Taraka kara kara kara kara kara kara ka					

	FORM NIS-2 (Back)
.	Remarks: Work Order 2830288 replaced the original 410 Stainless steel gasket retainer bolts with more corrosion resistant SA564, Gr 630 bolts per EDC 2005-00668 and DMWO 2760330.
Pı	re-Pressured Test WO Review – ISI N/A
	ANII N/A
	Certificate of Compliance
	We certify that the statements made in the report are correct and this repair 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: Production ISI Expineer Date: 10/11/06
ı	
	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>HSB CT</u> of <u>Hartford, Connecticut</u> , have inspected the components described in this Owner's report during the period of
	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: <u>NB 9685 "N" "I" AZ264</u>
	Inspectors Signature National Board, State, Province, and Endorsements

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	ASME SECTION :	XI – REPAIR / REPL	ACEMENT	·
			Pa	geof
1. Component ID <u>2PCHNV</u>	<u>184</u>			
2 Item Description: Borg V		professional and the second se		
3. N-5 Data Package Number		4. W.O. Number: 2	<u>2837014</u>	
5. Original Construction Code	The second secon			
6. Original Installation Code7. Work Description: <u>Disa</u>	ssemble check valve for AS		nrogram	
8. ISI Flaw	SSCINDIC CHOCK VALVE TOT 710	NDE Method of Flaw De		
		Report Number: n/a		
9. Evaluation of the suitability	ty of this work as per the rec	quirements of IWA - 4150:		
Not a failure of the ASM	E III pressure boundary. Re	eplacing disc due to wear in	n seating surface.	
				が. 対 数 :
10. Repair/Replacement Wor	k Organization: Arizona l	Public Service 3 4	10-20-06	
11. Replacement Items Cons	truction or reconciled Code	Edition: Sec. III Cl. 2, 19	74 Edition 1975 Winter	er Addenda
12. Repair/Replacement Acti	•	/	Edition 1975 Winter A	<u>ddenda</u>
13. ASME Section XI Code/	Edition: 1992 Edition an	d 1992 Addenda 3 7 "	- 20 -06	
14. Preservice Inspection Rec	quired:	☐ YES ⊠ NO		
Initial Days Date 12	0-17-06 If required,	include a step in the W.O.	to perform Preservice	Inspection
15. ASME Section XI Pressu	-	☐ YES		•
		include a step in the W.O.		ction.
Initial May Date 1			_	
Initial Dayly Date 10		e a step in the W.O. to verif ANII prior to approving IN	-	ar completed by
	17 7 1 1	e a step in the W.O. to reco		numbers for
Initial Date 12	1-1 13/16	ement items.	i oolow un approudi	indimoors for
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
Valve	N/A	60420	N/A	N/A
Disc	APN 45020877	199225-2	M7988	MR 1152931
	· ·			
	· .			
D. Den	Man DDL 10	7-D6 Printed Name:	Davo M	GOODLET
18. Planner Signature		Printed Name:	DAVID M.	GOODE
12 Ponda	0 /0/19	1/06	R.P INDAF	RPP
19. ISI Signature		Printed Name:		Log Entry 0 4 4
- / -	•		011	
20. ANII Simerula	10-1 Di	7-06 Printed Name:	RG 4065TR	.o M
Signatule	Di	ale		<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:	Arizo	na Public Service (Company, et. al.		1 1	Date: <u>10</u> /	/20/2006		
]	<u>P. O. F</u>	30x 53999, Phoeni	x Arizona 85072-20	034		Sheet:	<u>1</u> of <u>2</u>	. •	
2. Plant:	<u>Palo V</u>	erde Nuclear Gene	erating Station			Unit: 2			
:	<u>5801 S</u>	South Wintersburg	Road., Tonopah, A	rizona 8535	<u>54-7529</u>	Work Ord	ler Number	r <u>2837014</u>	
3. Work Pe	erforme	d by: <u>Arizona Public</u>	2 Service			Type of C	ode Stamp	None None	
						Authoriza	tion No.	<u>N/A</u>	
	:					Expiration	n Date N/	A	
4. Identific	ation of	f System: CH: Cher	mical and Volumn Co	ontrol					
5. (a) App	licable	Construction Code /	ASME Section III ND)Class 3	<u>1974</u> Editic	on, Winter 1	975 Adde	nda, Code	e Case
(b) App	olicable	Edition of Section X	KI Utilized for Repairs	s or Replace	ments: <u>19</u>	92 Edition	<u>, 1992 Ad</u>	<u>idenda</u>	•
6. Identific	ation of	f Components Repai	red or Replaced and F	Replacement	: Compone	nts		:	
Name o Item		Name of Manufacture	Manufacturer Serial No.	National Board No.		ther ification	Year Built	Repaired or Replacement	ASME Code Stamped
	N _{am} a.					·	•		(Yes or No)
Valve		Borg Warner	60420	N/A	2PCHNV	/184	1980	Repaired	YES
Disc		Borg Warner	199225-2	N/A	2PCHNV	/184	2006	Replacement	NO
	·				<u> </u>	·			
				, , , , , , , , , , , , , , , , , , , ,					
						•			
						<u>:</u>			
- 								`	
7. Descripti	ion of V	Work: <u>Disassemble</u>	e the check valve fo	or inspection	n IAW the	e ASME S	ection XI	inspection pro	gram.
8. Test Con	iducted	: Hydrostatic	Pneumatic [☐ Nomi	inal Operat	ting Pressure	e 🔲 🔝	Exempt 🛚	
	N-4	416-2 Other	Pressure psi	· · · · · · · · · · · · · · · · · · ·		Test Ten	nperature	°F	
	- 	e e e e e e e e e e e e e e e e e e e			•	•		·	
inches, ((2) info	ormation in items 1	orm of lists, sketched thru 6 on this reported at the to of this f	rt is include					

	NIS-2 (Back) The valve was disassembled for inspection under the ASME
Section XI program. The disc is being replaced due to w	
Pre-Pressured Test WO Review – ISI	
ANII	
Certificat	e of Compliance
We certify that the statements made in the report are	e correct and this replacement conforms to the rules of the
ASME Code, Section XI.	
Tuna Cada Sumbal Stamp	
Type Code Symbol Stamp N/A	
Certificate of Authorization No. N/A	Expiration Date: N/A
Signed Portage ISI Eng	Date: 10/20/2006
Owner or Owner's Designee, Title	Date: - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
CERTIFICATE OF I	NSERVICE INSPECTION
I, the undersigned, holding a valid commission iss	ued by the National Board of boiler and Pressure Vessel
	employed by HSB CT of Hartford, Connecticut, have
inspected the components described in this Owner' to 10-20-04 and state that to the be	est of my knowledge and belief, the Owner has performed
	cribed in this Owner's Report in accordance with the
requirements of the ASME Code, Section XI.	
	his employer makes any warranty, expressed or implied, es described in this Owner's report. Furthermore, neither
	y manner for any personal injury or property damage or a
loss of any kind arising from or connected with this	
loss of any kind arising from or connected with this	
loss of any kind arising from or connected with this	Commissions: NB 9685 "N" "I" AZ264
loss of any kind arising from or connected with this The factor of the connected with this Inspectors Signature	

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ASME SECTION XI – REPAIR / REPLACEMENT									
		<u>,</u>	Page	of					
1. Component ID 2PCHNV6	<u>547</u>								
2 Item Description: Borg Warner 3" - 330# Swing Check Valve, model 77690-1									
3. N-5 Data Package Number: <u>2CH07-1</u> 4. W.O. Number: <u>2837016</u>									
5. Original Construction Cod									
6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda									
7. Work Description: Disassemble check valve for ASME Section XI inspection program.									
8. ISI Flaw NDE Method of Flaw Detection: n/a									
Report Number: n/a 9. Evaluation of the suitability of this work as per the requirements of IWA - 4150:									
9. Evaluation of the suitability of this work as per the requirements of IWA - 4150: Not a failure of the ASME III pressure boundary. Replacing bonnet study due to small amount of rust and puts so fasteners.									
Not a failure of the ASME III pressure boundary. Replacing bonnet study due to small amount of rust and nuts so fasteners									
are all new.				•					
	•								
10 . D ' /D 1 ' XY	la O i	uhlis Camaias		•					
10. Repair/Replacement Wor -11. Replacement-Items Const	-	•	074 Edition 1075 Winter	A ddanda					
12. Repair/Replacement Acti	The state of the s								
13. ASME Section XI Code/I	•		Edition 1979 Whitel Add	<u>onda</u>					
14. Preservice Inspection Rec		☐ YES ⊠ NO	•	•					
	- 	- . -							
Initial My Date 10-			. to perform Preservice In	spection					
15. ASME Section XI Pressu	-	☐ YES 🖾 NO							
Initial _ Punh Date 10	15-06 If required,	include a step in the W.O	. for ISI & ANII Inspection	on.					
	16. Include a step in the W.O. to verify NIS-2 Form has been completed by								
miliai Date	ISI & A	NII prior to approving IN	IP525 Status.						
Initial Dogs Date 12			ord below all applicable n	umbers for					
		nent items.							
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.					
Valve	N/A	49726	N/A	N/A					
Bonnet Studs 10 TOTAL	APN 43160057	NIA	HX4(4) \$ HX2(4)	MR 1156924					
Bonnet Nuts 20 roral	APN 43120135	N/A	N/A	MR 1156924					
	·	·							
00	n 10 a			<u> </u>					
18. Planner Simples	Joe Stat 10-3		DAVIO M. C	DOODLET					
Signature	/		00-1	- TOO					
19. ISI 9 100	 	***	KIT JHDAF	_Log Entry					
Signature	Da	te							
20. ANII Rt futur	10-24	Printed Name:	R.G. HOGSTRO	H					
Signature	Da								
				73DP-9ZZ17 Rev 9					

1. Owner <u>Arizona</u>	Public Service Co	ompany, et. al.		Date		10/30/06		
	c 53999, Phoenix,				1	of	2	
2. Plant Palo Ver	de Nuclear Gener	rating Station		Unit		2		
<u>-5801 S. '</u>	Wintersburg Rd.,	Name Tonopah, Arizo	ona 85354-	7529		2837016 Work Order Number		
		Address						
3. Work Performed b		Service Name	,	Type Co	de Syr	nbol Stamp	None	
				Authoriz	ation N	lo. <u>N</u>	/A	
5801 S. Wintersburg Rd., Tonopah, Az 85354-7529 Expiration Date N/A								
4. Identification of System CH								
				•				
5. (a) Applicable Cor	nstruction Code ASI	ME Section III	19 <u>74</u>	Edition, W75	Adde	enda, <u>N/A</u>	Code Case	
(b) Applicable Edi	tion of Section XI Utili	ized for Repairs or	r Replacemer	nts 19 <u>92</u> Edit	ion, 🧐	92 Adder	ıda	
6. Identification of Co	omnonents Renaired	or Replaced and B	Renlacement (Components				
o. Identification of oc	inponents repaired t		·		-	·		
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)	
Valve	Borg-Warner	49726	NA	2PCHNV647		Repaired	Yes	
Bonnet Studs	Cardinal	NA	NA	HX4 & HX2	2006	Replacement	No	
Bonnet Nuts	NA	NA	NA	2PCHNV647	2006	Replacement	No	
			-					
ý								
•							¥8.	
7. Description of Wor	k {note remarks o	on Page 2}						
8. Test Conducted:	Hydrostatic	Pneumatic 🔲 🕟	Nominal Ope	erating Pressure		Exempt 🗹	N-416-1 🔲	
	Other	Pressure	psi		Test Te	emp	_°F	
***			*				······································	
NOTE: Supplement (2) information in it	ital sheets in form o ems 1 through 6 on							

73DP-9ZZ17

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

FORM NIS-2 (Back)

	Work Order 2837016 was utilized to disassemble the check valve for the ASME Section XI program. The bonnet study and nuts were replaced during the reassembly
Pre-Pres	sure Test Review: ISINAANIINA
	CERTIFICATE OF COMPLIANCE
ŧ	tify that the statements made in the report are correct and this replacement conforms to the rule repair or replacement.
Type Co	ode Symbol StampN/A
Certifica	ate of Authorization No. N/A Expiration Date N/A
Signed	DRH- ENIA Date 10-30-06
	Owner or Owner's Designee, Title
L	
	en en en en en en en en en en en en en e
	CERTIFICATE OF INSERVICE INSPECTION
	ndersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vesse
Inspect	ndersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vesse ors and the State or Province of Arizonal and employed by HSB CT
Inspector of H	ndersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vesse ors and the State or Province of Arizona and employed by HSB CT artford, Connecticut, have inspected the components described in this Owner's Report during
Inspector of <u>Haranteen Ha</u>	ndersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vesse ors and the State or Province of Arizona and employed by HSB CT artford, Connecticut, have inspected the components described in this Owner's Report during od 10-26-06 to 10-33-06, and state that to the best of my knowledge and
Inspector of <u>Hi</u> the period belief, the	ndersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vesse ors and the State or Province of Asizonal and employed by HSB CT artford, Connecticut, have inspected the components described in this Owner's Report during od 10-26-66 to 10-31-06, and state that to the best of my knowledge and the Owner has performed examinations and taken corrective measures described in this Owner's
Inspector of <u>Hi</u> the period belief, the	ndersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vesse ors and the State or Province of Arizona and employed by HSB CT artford, Connecticut, have inspected the components described in this Owner's Report during od 10-26-06 to 10-33-06, and state that to the best of my knowledge and
Inspector of <u>H</u> ; the peri- belief, the Report i	ndersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vesse ors and the State or Province of Arizonal and employed by HSB CT artford, Connecticut, have inspected the components described in this Owner's Report during od 10-26-06 to 10-31-06, 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 History the periode belief, the Report in By signi	ndersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vesse ors and the State or Province of Asizonal and employed by HSB CT artford, Connecticut, have inspected the components described in this Owner's Report during od 10-26-06 to 10-31-06, 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.
Inspector of History the periode belief, the Report in By significance on the second s	ndersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessers and the State or Province of Asizonal and employed by HSB CT artford, Connecticut, have inspected the components described in this Owner's Report during od 10-26-66 to 10-31-06, 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 History the period belief, the Report in By significancers on the state of the stat	ndersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vesser ors and the State or Province of Arizonal and employed by HSB CT artford, Connecticut , have inspected the components described in this Owner's Report during and to 10-24-06 to 10-31-06 , 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. In 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
Inspector of History the period belief, the Report in By significancers on the state of the stat	ndersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessers and the State or Province of Asizonal and employed by HSB CT artford, Connecticut, have inspected the components described in this Owner's Report during od 10-26-66 to 10-31-06, 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 History the period belief, the Report in By significancers on the state of the stat	indersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessers and the State or Province of Asizonal and employed by HSB CT artford, Connecticut, have inspected the components described in this Owner's Report during and to 10-24-26 to 10-31-26, 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. In 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 ever a loss of any kind arising from or connected with this inspection.
Inspector of History the period belief, the Report in By significancers on the state of the stat	indersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessers and the State or Province of Arizona and employed by HSB CT artford, Connecticut, have inspected the components described in this Owner's Report during and 10-26-26 to 10-31-26, 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. 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 are or a loss of any kind arising from or connected with this inspection.
Inspector of History the period belief, the Report in By significancers on the state of the stat	indersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessers and the State or Province of Accept and employed by HSB CT artford, Connecticut, have inspected the components described in this Owner's Report during od 10-26-66 to 10-31-66, 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. 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.
Inspector of History the period belief, the Report in By significancers on the state of the stat	indersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessers and the State or Province of Aricona and employed by HSB CT artford, Connecticut, have inspected the components described in this Owner's Report during and to 10-26-26 to 10-31-26, and state that to the best of my knowledge and the Owner has performed examinations and taken corrective measures described in this Owner's an 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 are or a loss of any kind arising from or connected with this inspection. Commissions Az 264 National Board, State, Province, and Endorsements
Inspector of History the period belief, the Report in By significancers on the state of the stat	Indersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vesse ors and the State or Province of Arizona and employed by HSB CT artford, Connecticut, have inspected the components described in this Owner's Report during and 10-26-26 to 10-31-26, and state that to the best of my knowledge and the Owner has performed examinations and taken corrective measures described in this Owner's an 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 ever a loss of any kind arising from or connected with this inspection. Commissions Az 264 National Board, State, Province, and Endorsements

	ASME SECTION	N AI – REPAIR / REF	PLACEMENT	
			P	age of
1. Component ID 2PCHNV	154			
2 Item Description: Borg	Warner 3" - 300# Swing 0	Check Valve, model 77680-	<u>-2</u>	
3. N-5 Data Package Numbe	r: <u>2CH07-7</u>	4. W.O. Number	: <u>2837032</u>	
5. Original Construction Co	de Edition: 1974 Edition	n, Winter 1975 Addenda	•	
6. Original Installation Code	Edition: 1974 Edition,	Winter 1975 Addenda		er e
7. Work Description: Disa	assemble check valve for a	ASME Section XI inspection	on program.	•
8. 🗌 ISI Flaw		NDE Method of Flaw I	Detection: n/a	
		Report Number: n/a		
9. Evaluation of the suitabili	ty of this work as per the	requirements of IWA - 415	0:	
Not a failure of the ASM	IE III pressure boundary.	Replacing disc due to wear	r in seating surface.	
			·	
•				
10. Repair/Replacement Wo	rk Organization: Arizon	a Public Service		;
11. Replacement Items Cons	struction or reconciled Co	de/Edition: Sec. III Cl 3,	1974 Edition 1975 Win	ter Addenda
12. Repair/Replacement Act	ivity Construction Code/E	Edition: Sec. III Cl 3, 1974	4 Edition 1975 Winter	Addenda
13. ASME Section XI Code				
14. Preservice Inspection Re	quired:	☐ YES ☒ NO	0	
Initial Proof Day	2-21-06	. 1 * 1 * 1 * 1 * 1 * 1 * 1 * 1 * 1 * 1		
Initial My Date 1	-	ed, include a step in the W.		e Inspection
15. ASME Section XI Press		☐ YES 🖾 N		
Initial MG Date /	7-26-06 If require	ed, include a step in the W.O	O. for ISI & ANII Inspe	ection.
Initial May Date 1	16. Inch	ude a step in the W.O. to ve	erify NIS-2 Form has be	en completed by
Initial Dury Date /	ISI 8	& ANII prior to approving I	INP525 Status.	· •
Initial May Date 18	17. Inch	ade a step in the W.O. to rea	cord below all applicable	le numbers for
Initial WMG Date LE	repla	acement items.		
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No
Valve	N/A	53113	N/A	N/A
Disc	APN 45020877	199225-4	M7988	MR 1157363
* **				
			:	
<u> </u>				
18. Planner Dady	Deedl 10	2-26-06 Printed Name	7	
Signature		CO-LID DULL ANT	AUID M.	GEODLET
Signature	1 Ming	Date Printed Name	e: <u>JAUIO</u> M.	GOODLET
$\tau -$		Date		2 01H
19. ISI I INDAO		Date Date Printed Name		Log Entry ()
$\tau -$		Date	: R. INDAF	Log Entry () (
19. ISI T INDAO	per Tecony 1.	Date Printed Name Printed Name	BC V	Log Entry () (

PV216-08NI (8-88)

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		10/30/06		
<u>P.O. Bo</u>	x 53999, Phoenix,	_{lame} <u>Arizona 85072</u>	2-2034		Sheet_	1	of	2	
O Blant Polo Vor		Address			l Init		2		
	de Nuclear Genera	lame					2837032		
<u> 3801 S.</u>	Wintersburg Rd.,	ddress	ona 83334-	1329		 ,	Work Order Number		
3. Work Performed b	y Arizona Public				Type Co	de Syn	nbol Stamp	None	
		lame			Authoriz	ation N	o. N	/A	
5801 S.	Wintersburg Rd.,	Гопораh, Az 8	5354-7529)	Expiration	n Date	N/.	A _34.	
5801 S. Wintersburg Rd., Tonopah, Az 85354-7529 Expiration Date N/A									
4. Identification of System Safety Injection									
5. (a) Applicable Construction Code ASME Section III 19 74 Edition, W75 Addenda, N/A Code Case									
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 92 Edition, 92 Addenda									
(6) / (5)			· · · · · ·			,		. •	
6. Identification of Components Repaired or Replaced and Replacement Components									
Name of Item	Name of Manufacturer	Manufacturer Serial No.	National Board No.	O	ther ification	Year Built	Repaired or Replacement	ASME Code Stamped	
Valve	Borg-Warner	53113	NA		IEV154		Repaired	Yes	
Ďisc - removed	Borg-Warner	NA	NA	НТ	# 1P88	1980	REPLACED	Yes	
Disc - installed	Borg-Warner	199225-4	NA	2PS	EV154	1988	Replacement	Yes	
				•					
	·				 · · · -				
								Ž.	
-				L		1	<u> </u>	<u> </u>	
7. Description of Wor	rk Replaced the di	sc. {* note rer	narks on P	age 2	}				
8. Test Conducted:	Hvdrostatic	Pneumatic 🔲	Nominal Ope	erating	Pressure	П	Exempt 🗾	N-416-1 🗍	
				J					
	Other 🔲	Pressure	psi			Test Te	emp	_°F	
								٠	
	ntal sheets in form o								
	tems 1 through 6 on ets is recorded at th			acn sh	eet, and	(3) ea	cn sneet is nun	nbered and	

PV-E0092 Ver. 7

	1	FORM NIS-2 (I	Back)	
. Remarks <u>v</u>	Vork Order 2837032 wa	as utilized to replace the di	sc with a new one	
-				
Pre-Pressure	e Test Review: ISI	NANIIN	IA	
	С	ERTIFICATE OF COM	IPLIANCE	
	that the statements mad E Code, Section XI.	de in the report are correct	and this replacement	conforms to the rules
Type Code	Symbol Stamp	N/A		
Certificate of	of Authorization No		Expiration D	
Signed	781	her or Owner's Designee, Title	VGR D	ate 10-30-06
	/ Owr	ner or Owner's Designee, Title	•	
	CERTIF	FICATE OF INSERVIO	E INSPECTION	
Inspectors a of <u>Hartfo</u>	and the State or Provincord, Connecticut , h	commission issued by the ce of <u>Az</u> and emplayer inspected the component of the component o	ployed by <u>HSB CT</u> ents described in this	Owner's Report during
belief, the C	wner has performed ex	kaminations and taken corr pirements of the ASME Cod	ective measures descr	
concerning neither the I	the examinations and conspector nor his employ	ne Inspector nor his employ orrective measures describ yer shall be liable in any m	ped in this Owner's Re anner for any personal	port. Furthermore,
damage or a	a loss of any kind arising	g from or connected with the Commiss		1z 264
	Inspector's Signature	Commiss	10110	Province, and Endorsements
Date	10-30-06	1		

1. Component ID 2PCHNV835 2. Item Description: 1-1/2" Borg Warner 1665# Y Type Lift Check Valve 3. N-5 Data Package Number: 2CH14-1 4. W.O. Number: 2837037 5. Original Construction Code Edition: 1974 Edition, Winter 1975 Addenda 6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda 7. Work Description: Disassemble valve for check valve inspection. Body to bonnet seal weld will need to be removed and be replaced. 8. ISI Flaw NDE Method of Flaw Detection: n/a Report Number: n/a 9. Evaluation of the suitability of this work as per the requirements of IWA - 4150: Not a failure of the ASME pressure boundary. Seal weld is required to be removed to allow for valve disassembly.	iter
 Item Description: 1-1/2" Borg Warner 1665# Y Type Lift Check Valve N-5 Data Package Number: 2CH14-1 W.O. Number: 2837037 Original Construction Code Edition: 1974 Edition, Winter 1975 Addenda Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda Work Description: Disassemble valve for check valve inspection. Body to bonnet seal weld will need to be removed and la replaced. ISI Flaw NDE Method of Flaw Detection: n/a Report Number: n/a Evaluation of the suitability of this work as per the requirements of IWA - 4150: 	iter
 N-5 Data Package Number: 2CH14-1 W.O. Number: 2837037 Original Construction Code Edition: 1974 Edition, Winter 1975 Addenda Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda Work Description: Disassemble valve for check valve inspection. Body to bonnet seal weld will need to be removed and lineplaced. ISI Flaw NDE Method of Flaw Detection: n/a Report Number: n/a Evaluation of the suitability of this work as per the requirements of IWA - 4150: 	<u>iter</u>
 5. Original Construction Code Edition: 1974 Edition, Winter 1975 Addenda 6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda 7. Work Description: Disassemble valve for check valve inspection. Body to bonnet seal weld will need to be removed and la replaced. 8. ISI Flaw NDE Method of Flaw Detection: n/a Report Number: n/a 9. Evaluation of the suitability of this work as per the requirements of IWA - 4150: 	iter
 6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda 7. Work Description: Disassemble valve for check valve inspection. Body to bonnet seal weld will need to be removed and large replaced. 8. ISI Flaw NDE Method of Flaw Detection: n/a Report Number: n/a 9. Evaluation of the suitability of this work as per the requirements of IWA - 4150: 	iter
7. Work Description: Disassemble valve for check valve inspection. Body to bonnet seal weld will need to be removed and la replaced. 8. ISI Flaw NDE Method of Flaw Detection: n/a Report Number: n/a 9. Evaluation of the suitability of this work as per the requirements of IWA - 4150:	<u>iter</u>
8. ISI Flaw NDE Method of Flaw Detection: n/a Report Number: n/a 9. Evaluation of the suitability of this work as per the requirements of IWA - 4150:	ater
8. ISI Flaw NDE Method of Flaw Detection: n/a Report Number: n/a 9. Evaluation of the suitability of this work as per the requirements of IWA - 4150:	٠.
Report Number: n/a 9. Evaluation of the suitability of this work as per the requirements of IWA - 4150:	
9. Evaluation of the suitability of this work as per the requirements of IWA - 4150:	٠.
Not a failure of the ASME pressure boundary. Seal weld is required to be removed to allow for valve disassembly.	
10. Repair/Replacement Work Organization: Arizona Public Service	
11. Replacement Items Construction or reconciled Code/Edition: Sec. III Cl 2, 1974 Edition 1975 Winter Addenda	
12. Repair/Replacement Activity Construction Code/Edition: Sec. III Cl 2, 1974 Edition 1975 Winter Addenda	
13. ASME Section XI Code/Edition: 1992 Edition and 1992-Addenda	
14. Preservice Inspection Required: YES NO	
Initial Muly Date 7-4-04 If required, include a step in the W.O. to perform Preservice Inspection	
15. ASME Section XI Pressure Test Required: YES NO	
Initial Day Date 7-4-86 If required, include a step in the W.O. for ISI & ANII Inspection.	
16 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Initial Date 7-4-06 To Include a step in the W.O. to complete NIS-2 Form prior to releasing the component.	
Ome C 17. Include a step in the W.O. to record below all applicable numbers for repaired	lor
Initial Date 7-4-06 Include a step in the W.O. to record below all applicable numbers for repaired replacement items.	
Item ID Part No. Serial No. Heat No. MR/PO/WO	Vo.
1-1/2" Borg Warner Valve N/A 56471 N/A N/A	
Body/Bonnet Seal Weld N/A N/A N/A N/A	
18. Planner David Goodlet Printed Name: David Goodlet	
18. Planner Paul Printed Name: David Goodlet Signature Date 7/12/5/	
19. ISI THOUGH 7/12/t 6 Printed Name: RP-INDAP Log Entry RE	<u></u>
19. ISI Signature Date Printed Name: PINDAP Log Entry RE Date	<u></u>
19. ISI THOUGH 7/12/t 6 Printed Name: RP-INDAP Log Entry RE	<u></u>

1. Owner: Arizo	na Public Service (Company, et. al.			Date: <u>7/4</u>	/2006			
<u>P. O. I</u>	Box 53999, Phoeni	x Arizona 85072-20	034		Sheet:	<u>l</u> of <u>2</u>		٠	
2. Plant: Palo V	erde Nuclear Gene	erating Station			Unit: 2		-		
5801 S	South Wintersburg	Road., Tonopah, A	rizona 8535	4-7529	Work Orde	er Number	2837037		
3. Work Performe	ed by: <u>Arizona Public</u>	Service			Type of Co	ode Stamp	None None		
			,		Authorizat	ion No.	<u>N/A</u>	٠.	
Expiration Date N/A									
4. Identification o	f System: CH: Che	mical and Volumn Co	ontrol Systen	<u>n</u>					
5. (a) Applicable	Construction Code /	ASME Section III NC	, Class 2 - 1	1974 Editio	n, Winter 1	975 Adde	nda,Cod	e-Case	
(b) Applicable	Edition of Section 2	I Utilized for Repair	s or Replace	ments: <u>199</u>	92 Edition,	1992 Ac	ldenda		
6. Identification o	f Components Repai	red or Replaced and I	Replacement	Componer	nts				
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.		her fication	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)	
Valve	Borg Warner	56471	N/A	2PCHNV	835	1980	Repaired	YES	
Seal/Weld	N/A	N/A	N/A	2PCHNV	835	2006	Replacement	NO	
							·		
							See.		
							,		
			·			-			
7. Description of V	Work: Removal of	seal weld for checl	c valve inte	rnal inspec	ction.				
8. Test Conducted	: Hydrostatic	Pneumatic [Nomi	inal Operat	ing Pressure	• 🗆 🌼	Exempt 🛛		
N-4	416-2 Other	Pressure <u>n/a</u> psi			Test Tem	perature	<u>n/a</u> °F		
·					,			·	
	emental sheets in f	form of lists, sketche							

and the number of sheets is recorded at the to of this form.

	FORM NIS-2 (Back)
Ì	Remarks: Work Order# 2837037 on check valve 2PCHNV835 for inspection per the check valve program. The bonnet seal weld needs to be removed and replaced to support this inspection.
Pı	re-Pressured Test WO Review – ISI
!	ANII N/A
	Certificate of Compliance
,	We certify that the statements made in the 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: Product, ISI Engineer Date: 10-11-2006 Downer 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 HSB CT of Hartford, Connecticut, have inspected the components described in this Owner's report during the period of 7-14-06 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: NB 9685 "N" "I" AZ264 Inspectors Signature Commissions: NB 9685 "N" "I" AZ264 National Board, State, Province, and Endorsements

PV216-08NI (8-88)

	ASME SECTION 2	XI – REPAIR / REP	LACEMENT Page	1 of 1
1. Component ID 2PIAEVO	73			
2 Item Description: Contain		heck Valve		
3. N-5 Data Package Number		4. W.O. Number:	2837040	
5. Original Construction Cod				
6. Original Installation Code				
7. Work Description: <u>Tack</u>	Hinge Support to the Bonn	et per P221B-00145		
8. ISI Flaw		NDE Method of Flaw D	Detection:	
h/B		Report Number:		
9. Evaluation of the suitabilit	y of this work as per the rec	quirements of IWA - 4150):	
No Failure of the ASME	Pressure Boundary	,		
				· · · · · · · · · · · · · · · · · · ·
				No.
10. Repair/Replacement Wor	k Organization: Arizona I	Public Service		
11. Replacement Items Const				
12. Repair/Replacement Acti	•	•	Edition 1975 Winter Add	lenda
13. ASME Section XI Code/I	Edition: 1992 Edition an	d 1992 Addenda		
14. Preservice Inspection Rec	quired:	☐ YES ⊠ NO		
Initial 1/12 Date	If required,	, include a step in the W.C	D. to perform Preservice In	spection
15. ASME Section XI Pressu	re Test Required:	☐ YES ⊠ N	0	
		include a step in the W.C	D. for ISI & ANII Inspection	on.
Initial Date	16 7 1 1	•	rify NIS-2 Form has been	
Initial J.0 Date 1		ANII prior to approving I		completed by
	17 Include	a a step in the W.O. to rec	ord below all applicable n	umbers for
Initial J.s. Date //		ement items.	ord bolow an approable in	
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
Tack Welds	N/A	N/A	N/A TACK	well only
				e manu
	,			
		<u>L</u>	<u> </u>	
18. Planner		- OC D: 137	JAMES I.	
Signature	1/0 //5	· C/6 Printed Name	CAPTIMES L.	PAVIS
Signature		Printed Name	: SHAMES L.	PAVIS
a started		ate		
19. ISI July alles	100	ate	WILBY AHLSTROM	
a started	JI-S	ate S-06 Printed Name		
19. ISI July alles	DI Sa I	ate S-06 Printed Name ate	WILBY AHLSTROOM	

		- ,					
1. Owner Arizona Public Service Company, et. al. Date 11/06/06							
P.O. Box 53999, Phoenix, Arizona 85072-2034 Address					1	l of	2
2. Plant Palo Ve	rde Nuclear Genera	ating Station		Unit		2	
5801 S. Wintersburg Rd., Tonopah, Arizona 85354-7529						2837040	
	A	ddress			1.	Work Order Number	
3. Work Performed b	y Arizona Public	Service		Туре С	ode Syr	mbol Stamp	None
	Authori	zation N	lo. <u>N</u>	/A			
5801 S.	Wintersburg Rd., 7	Γonopah, Az 8	5354-7529	Expirat	ion Date	• N/	A
	₹.	ddress					
4. Identification of Sy	ystem <u>IA</u>				 .		
5. (a) Applicable Co	nstruction Code ASM	E Section III	19 <u>74</u> E	Edition, <u>S75</u>	Add	enda, <u>***</u>	Code Case
(b) Applicable Ed	ition of Section XI Utiliz	ed for Repairs or	Replacemen	ts 19 <u>92</u> Ed	ition,	92 Adder	nda
	ilas	. D					
6. Identification of Co	omponents Repaired or	r Hepiaced and H	leplacement C	components			
Name of Item	Name of Manufacturer	Manufacturer Serial No.		Other Identification	Year Built		ASME Code Stamped (Yes or No)
Valve	Anchor Darling	E6374-3-3	NA	2PIAEV073	1981	Repaired	Yes
1							
							2.3
						·	
		· .					. ;
7. Department of War	k Note remarks on	Page 2		**** 00	de cas	es listed on NI	DV/ 1
7. Description of wor	k 140te Telliarks Off	Tage 2.			uc cas	es listed oil 141	A-1
8. Test Conducted:	Hydrostatic P	neumatic 🔲	Nominal Ope	rating Pressure	• 🔲	Exempt 🗹	N-416-1 🔲
	Other	Pressure	psi		Test Te	emp.	_°F
NOTE: Supplemen	tal sheets in form of	lists, sketches.	or drawings	may be used	, provid	ded (1) size is 8	1/2 x 11 in
(2) information in it	ems 1 through 6 on t	his report is inc	luded on ea				
and married or one	rooordod at the	Lop of this lotti	••				

PV-E0092 Ver. 7 73DP-9ZZ17

	FORM NIS-2 (Back)
9.	Remarks: Work Order 2837040 replaced the tack welds between the Check Valve hinge support and the bonnet.
P	re-Pressured Test WO Review – ISI ν
	12
٠.	ANII //
	Certificate of Compliance
	We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.
	Type Code Symbol Stamp
	Certificate of Authorization No. N/A Expiration Date: N/A
	Signed: Date: 11-6-06 Owner or Owner's Designee, Title
	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 <u>Arizona</u> and employed by <u>HSB CT</u> of <u>Hartford, Connecticut</u> , have inspected the components described in this Owner's report during the period of <u>uses</u>
	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: <u>NB 9685 "N" "I" AZ264</u>
	Inspectors Signature National Board, State, Province, and Endorsements
)	Date:

1. Component ID 2PCHEV3				ge of						
	<u>334</u>									
2 Item Description: 2"-166	5 Lift check valve	4.4								
3. N-5 Data Package Number	: <u>2CH04-1</u>	4. W.O. Number:	<u>2838770</u>							
5. Original Construction Cod										
6. Original Installation Code		and the second s								
7. Work Description: Remo	ove seal weld to allow for re	work of check valve to co								
8. 🔲 ISI Flaw		Report Number:	etection:							
9. Evaluation of the suitabilit	y of this work as per the requ	•	:							
	E III pressure boundary. Nee		*	inspection of the						
check valve internals.	E III pressure councury. The	, , , , , , , , , , , , , , , , , , ,								
CHECK VAIVE THEITIAIS.										
10. Repair/Replacement Wor	rk Organization: Arizona P	Public Service		West and the second sec						
11. Replacement Items Const	<u>-</u> .		974 Edition 1975 Winte	r Addenda						
12. Repair/Replacement Acti	· ·	'		/						
13. ASME Section XI Code/	•									
14. Preservice Inspection Rec	quired: [☐ YES 🖾 NO								
Initial <u>MG</u> Date 12	1-/-D5 If required	include a step in the W.O	to perform Preservice	Inspection						
15. ASME Section XI Pressu	·	T YES ⊠ NC	•	anspection .						
		include a step in the W.O	in the second second	tion						
Initial Wing Date 1	*									
Initial Rug Date	12-1-05 16. Include	-	nplete NIS-2 Form prior	Initial Old Date 12-1-05 16. Include a step in the W.O. to complete NIS-2 Form prior to releasing the						
	Initial Plug Date 12-1-05 16. Include a step in the W.O. to complete NIS-2 Form prior to releasing the component.									
17. Include a step in the W.O. to record below all applicable numbers for repaired or										
Initial My Date 1	17. Include replacement	a step in the W.O. to reco	ord below all applicable							
	17. Include replacement	a step in the W.O. to reco		numbers for repaired or						
Item ID	Part No.	a step in the W.O. to reco	Heat No.	numbers for repaired or MR/PO/WO No.						
Item ID Seal Weld	Part No. N/A	a step in the W.O. to reco	Heat No.	numbers for repaired or MR/PO/WO No. N/A						
Item ID	Part No.	a step in the W.O. to reco	Heat No.	numbers for repaired or MR/PO/WO No.						
Item ID Seal Weld	Part No. N/A	a step in the W.O. to reco	Heat No.	numbers for repaired or MR/PO/WO No. N/A						
Item ID Seal Weld	Part No. N/A	a step in the W.O. to reco	Heat No.	numbers for repaired or MR/PO/WO No. N/A						
Item ID Seal Weld	Part No. N/A	a step in the W.O. to reco	Heat No.	numbers for repaired or MR/PO/WO No. N/A						
Item ID Seal Weld	Part No. N/A	a step in the W.O. to reco	Heat No.	numbers for repaired or MR/PO/WO No. N/A						
Item ID Seal Weld	Part No. N/A	a step in the W.O. to reco	Heat No.	numbers for repaired or MR/PO/WO No. N/A						
Item ID Seal Weld DISC	17. Include replacement Part No. N/A APN # 45020211	a step in the W.O. to recont items. Serial No. N/A 34	Heat No. N/A N/A	numbers for repaired or MR/PO/WO No. N/A						
Item ID Seal Weld DISC 18. Planner Landy	Part No. N/A APW # 45020211	s a step in the W.O. to reconstitutes. Serial No. N/A 34 Printed Name:	Heat No.	numbers for repaired or MR/PO/WO No. N/A						
Item ID Seal Weld DISC	Part No. N/A APN # 45020211 Develled 12	Serial No. N/A 34 Printed Name:	Heat No. N/A N/A David Goodlet	MR/PO/WO No. N/A AR* 1052432						
Item ID Seal Weld DISC 18. Planner	Part No. N/A APN # 45020211 Develled 12	Serial No. N/A 34 Printed Name:	Heat No. N/A N/A	MR/PO/WO No. N/A AR* 1052432						
Item ID Seal Weld DISC 18. Planner Signature	Part No. N/A APN # 45020211 Develled 12	Serial No. N/A 34 2105 Printed Name:	Heat No. N/A N/A David Goodlet Alan Morn	MR/PO/WO No. N/A AR* /052432						
Item ID Seal Weld DISC 18. Planner	Part No. N/A APN # 45020211 Devolute 121	Serial No. N/A 34 2105 Printed Name:	Heat No. N/A N/A David Goodlet	MR/PO/WO No. N/A AR* /052432						

ASME SECTION XI – REPAIR / REPLACEMENT

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

As Required by the Provisions of the ASME Code Section XI

	<u>ئى بىر يەرى ئەرگى ئەرگى ئالىرى</u>			<u> 18 de la 1</u>			
1. Owner: Ari	zona Public Service	Company, et. al.		Date: <u>1/9</u>	/2006		
<u>P. C</u>). Box 53999, Phoeni	x Arizona 85072-20	034	Sheet:	<u>1</u> of <u>2</u>		
2. Plant: Pal	o Verde Nuclear Gen	erating Station		Unit: <u>2</u>			*, *
<u>580</u>	1 South Wintersburg	Road., Tonopah, A	rizona 8535	54-7529 Work Ord	er Numbe	2838770	1
3. Work Perfor	med by: Arizona Publi	c Service		Type of C	ode Stamp	None	
				Authoriza	tion No.	<u>N/A</u>	
4. Identificatio	n of System: <u>CH: Che</u>	mical and Volumn Co	ontrol	Expiration	Date <u>N/</u>	<u>A</u>	
5. (a) Applical	ole Construction Code	ASME Section III NO	C, Class 2	1974 Edition, Winter 1	<u>975</u> Adde	nda,Cod	e Case
(b) Applica	ble Edition of Section 2	KI Utilized for Repair	s or Replace	ments: 1992 Edition	. 1992 Ac	ldenda	
6. Identificatio	n of Components Repa	red or Replaced and	Replacement	Components			n de la segui
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)
Valve	Borg Warner	51323	N/A	2PCHEV334	1979	Repaired	YES
Seal Weld	N/A	N/A	N/A	2PCHEV334	2006	Replacement	NO
Disc	Flowserve	34	N/A	2PCHEV334	2006	Replacement	NO
					, N. B		
7. Description	of Work: Remove se	al weld for valve in	ternal inspe	ction & rework for s	eat leaka	ge.	
8. Test Conduc	ted: Hydrostatic	Pneumatic	Nom	inal Operating Pressur	e 🔲 .	Exempt 🛚	
	N-416-2 Othe	r Pressure ps	i	Test Ten	nperature	°F	
			. :				
inches, (2)	oplemental sheets in information in items ber of sheets is recor	1 thru 6 on this repo	ort is include				

_	
	FORM NIS-2 (Back)
9.)	Remarks: Work order # 2838770 on valve 2PCHEV334 for rework due to seat leakage. The bonnet seal weld needs to be removed and replaced to support this work. The disc was replaced to correct leakage past the seat.
•	
Pr	P. Remarks: Work order # 2838770 on valve 2PCHEV334 for rework due to seat leakage. The bonnet seal weld needs to
	ANII
	Certificate of Compliance
A 1.50 A 1.	ASME Code, Section XI.

CERTIFICATE OF INSERVICE INSPECTION If 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 HSB CT of Hartford, Connecticut, have inspected the components described in this Owner's report during the period of 12-2-05 to 1-10-06, 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" "I" AZ264 National Board, State, Province, and Endorsements

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	ASME SECTION 2	XI – REPAIR / REP	LACEMENT		
			Pag	ge / of /	
1. Component ID 2JCPBUV	<u>′0003B</u>				
2 Item Description: <u>CNTM</u>		···			
3. N-5 Data Package Number		4. W.O. Number:	<u>2840468</u>		
5. Original Construction Cod	•				
6. Original Installation Code7. Work Description: REP		inter 1975 Addenda	ND ELANCE	•	
8. ISI Flaw N/A	LACE STUD AND NUTS I	NDE Method of Flaw D	· · · · · · · · · · · · · · · · · · ·		
0 10111a 14/A		Report Number:	A		
9. Evaluation of the suitability	ty of this work as per the rec	•):		
	PRESSURE BOUNDARY	_			
			-art ab	0A 11-8-06	
10. 'Repair/Replacement Wor	k Organization: Arizona F	Public Service 2	11-9-1976 Son	VAION .	
11. Replacement Items Cons	truction or reconciled Code/	Edition: Sec. III Cl. 1	974 Edition 1978 Winter	Addenda	
12. Repair/Replacement Acti		tion: Sec. III Cl., 1974	Edition 1975 Winter Ad	ldenda	
13. ASME Section XI Code/	Edition: 1992 Edition and	d 1992 Addenda			
14. Preservice Inspection Re-	quired:	☐ YES ⊠ NO)		
Initial (1) Date //	//////////////////////////////////////	include a step in the W.C). to perform Preservice 1	Inspection	
15. ASME Section XI Pressu	/ - / -	☐ YES			
Initial <u>LO</u> Date <u>//</u>	// / If required,	include a step in the W.C). for ISI & ANII Inspect	ion.	
	/ • / • / •	e a step in the W.O. to ver			
Initial C Date 11	/6/06 ISI & A	ANII prior to approving I		reompleted by	
Initial SEC Date 11	17. Include	e a step in the W.O. to rec	ord below all applicable	numbers for	
Initial Date 11	replace	ment items.			
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.	
STUD 4 Each	43110020	· · ·	8979	MR 1161586	
1"x 5"x 16 + hard	d		TUSTALLO	WO - 2840468	
NUT - W BACK			ORd-Red	2840471	
1 X 18 Thanks # HX	4 49991287		RBQ	MR 1141545	
			FNSTALLED	We 2240468	
			padand	2840471	
whoher I each.	43181004			MR# 1161556-000	
00	. 1 111	1/0/ Division	C Ma		
Signature	usace //	ate Printed Name	: C. Csmun	D50 N	
Costo San	The same of the sa				
19. ISI Granture Signature	D:	6-06 Printed Name	: WILET AHLSTR	Log Entry WA	
Por Tele	-con G. 05m	UNDSON			
30. ANII 23 406ST	rom //	/6/06 Printed Name	: 15. HogsTro	^	
NUT - 4 Each IX 16 The rise HxH 49991287 RBQ MR 11-1545 FNSTALLED 2240468 ORD-Red W-2840468 FNSTALLED 161556-000 18. Planner G. Osmundson 1/6/06 Printed Name: G. Osmundson 1/6-06 Printed Name: WILET AHLSTROM Log Entry WTA. Signature Date Per Tele-con G. Osmundson Per Tele-con G. O					

Owner: Arizona	Public Service Com	pany, et. al.		Date:	11/06/200	06	
P. O. Box	53999, Phoenix Ar	izona 85072-2034		Sheet:	<u>1</u> of	<u>2</u>	
2. Plant: Palo Vero	le Nuclear Generatu	ng Station		Unit:	2		
5801 Sou	th Wintersburg Road	d., Tonopah, Arizor	na 85354-7529	Work	Order Nun	nber 2840468	
3. Work Performed	by: <u>Arizona Public S</u>	Service Co.		Туре	of Code St	amp <u>None</u>	
	5801 S. Wintersb	urg Rd., Tonopah,	Arizona, 85354	1-7529 Autho	rization No	o. <u>N/A</u>	
				Expira	ition Date	<u>N/A</u>	
4. Identification of S	ystem: CP01-1			•			
5. (a) Applicable Co	onstruction Code <u>AS</u>	ME Section III NC	Class 2	974 Edition, Sum	m <u>er 1975</u> /	Addenda, <u>N/A</u> Co	ode Case
(b) Applicable E	dition of Section XI	Utilized for Repair	s or Replaceme	ents: 1992 Edition	. 1992 Add	<u>lenda</u>	
6. Identification of C	Components Repaire	d or Replaced and I	Replacement C	omponents			
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired or Replacement	ASME Code
					,		Stamped (Yes or NO)
Stud	N/A	N/A	N/A	B-979	2006	Replacement	No
Nut	N/A	N/A	N/A	RBQ	2006	Replacement	No
		·					
							:
	Tager						
					· .	•	,
7. Description of Wo	Section of System: CP01-1						
8. Test Conducted: I	Hydrostatic	Pneumatic	Nominal Oper	ating Pressure	Exem	ıpt ⊠ N-416	5-2 🔲
Other	Press	ure		Test	Temperatu	re °F	

inches, (2) inform	nation in items 1 tl	hru 6 on this repo	rt is included				

		FORM NIS-	2 (Back)		
9. Remarks: WO 2	2840468 REPLACE BL	IND FLANGE BOLTIN	GS (FOUND SHORT IN	LENGTH)	
Pre-Pressured Test	WO Review – ISI	~ ^			
	ANII_	MA			
		Certificate of Co	ompliance		
		the report are correct	and this replacement co	onforms to the rule	s of the
ASME Code, Se	ection XI.				
Type Code Sym	bol Stamp	N/A			
Certificate of A	uthorization No.	N/A	Expiration Date	e:N/A	
Signed:	mit) 151 ENG	enteer Date	: 11-8-06	

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION
the undersigned, holding a valid commission issued by the National Board of boiler and Pressure Vessel aspectors and the State or Province of <u>Arizona</u> and employed by <u>HSB CT</u> of <u>Hartford, Connecticut</u> , have aspected the components described in this Owner's report during the period of, 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
equirements 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 cost of any kind arising from or connected with this inspection.
Commissions: NB 9685 "N" "I" AZ264 National Board, State, Province, and Endorsements
בו בו

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Page 1. Component ID 2PSPAL068 2.. Item Description: DISCHARGE FLOW INDICATOR S.P. 3. N-5 Data Package Number: 2SP01-2 4. W.O. Number: 2841280 5. Original Construction Code Edition: 1974 Edition, Summer 1975 Addenda 6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda 7. Work Description: To remove the annubar for engineering inspection, during this evolution the flange fasteners will be removed and replaced due to corrosion of the fasteners for ease of re-installation. 8. ISI Flaw NDE Method of Flaw Detection: Report Number: 9. Evaluation of the suitability of this work as per the requirements of IWA - 4150: This annubar is being removed for an engineering inspection. Fastener replacement is NOT due to failure. 10. Repair/Replacement Work Organization: _Arizona Public Service 11. Replacement Items Construction or reconciled Code/Edition: Sec. III Cl 3, 1974 Edition 1975 Summer Addenda 12. Repair/Replacement Activity Construction Code/Edition: Sec. III Cl 3, 1974 Edition 1975 Winter Addenda 13. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda ☐ YES ⊠ NO 14. Preservice Inspection Required: Date # 9-26-06 If required, include a step in the W.O. to perform Preservice Inspection 15. ASME Section XI Pressure Test Required: ☐ YES __ Date / 9-26-0 [If required, include a step in the W.O. for ISI & ANII Inspection. 16. Include a step in the W.O. to complete NIS-2 Form prior to releasing the Date 9-26-06 component. 17. Include a step in the W.O. to record below all applicable numbers for repaired or replacement items. Item ID Part No. Serial No. Heat No. MR/PO/WO No. **STUDS** APN 43110014 N/A 015587 MR .1136228 **NUTS** N/A ムVH MR 1136228 APN 43122013 18. Planner Printed Name: Martin J Sullivan t6 R.G. HOGSTROM 9-28-06 Printed Name: 20. ANII Date

ASME SECTION XI – REPAIR / REPLACEMENT

1. Owner: <u>Arizo</u>	ona Public Service (Company, et. al.			Date:	: 09/26/200	06	
<u>P. O. I</u>	Box 53999, Phoeni	ix Arizona 85072	<u>-2034</u>		Sheet	t: <u>1</u> of	2	
2. Plant: Palo V	Verde Nuclear Gene	erating Station			Unit:	<u>2</u>		
<u>5801 S</u>	South Wintersburg	Road., Tonopah,	Arizona 853:	<u>54-7529</u>	Work	order Nun	mber <u>2841280</u>	
3. Work Performe	ed by: Arizona Public	<u>c Service</u>			Туре	of Code St	amp <u>None</u>	
			,		Autho	orization No	o. <u>N/A</u>	•
		٠.			Expir	ation Date	<u>N/A</u>	•
4. Identification of	f System: SP		•			•		
5. (a) Applicable	Construction Code A	ASME Section III N	ND, Class 3	1974 Editior	n, <u>Sum</u>	<u>ımer 1975</u> /	Addenda, <u>N/A</u> Co	de Case
(b) Applicable	Edition of Section X	XI Utilized for Repa	airs or Replace	ments: <u>199</u>	2 Edi	tion, 1992	. Addenda	
6. Identification of	of Components Repair	ired or Replaced an	d Replacement	t Componen	ts		<u> </u>	
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identifica		Year Built	Repaired or Replacement	ASME Code Stamped
ラ					. ,			(Yes or . NO)
S.P. flow meter fasteriers	Pullman power products		N/A	2PSPAL06	58	2006	Repaired	NO
Flange studs	N/A	·	N/A	2JSPAFE0)005	2006	Replacement	NO
Flange nuts	N/A		N/A	2JSPAFE0)005	2006	Replacement	NO
							7.	
·								
7. Description of V	Work: <u>To remove 1</u>	for eng. inspectio	n and to repla	ace flange f	asten	ers, replac	ement is not due	e to failure.
8. Test Conducted:	: Hydrostatic	Pneumatic	Nomi	inal Operatin	ng Pre	ssure 🗌	Exempt 🛛	
N-4	416-2 Other	r Pressure p	psi		Test	Temperatu	re °F	
)								
inches, (2) info	emental sheets in formation in items 1		port is include					

FC	ORM NIS	-2 (Bac	k)	
Remarks: To remove for engineering inspecti	on and to replace	flange fastene	ers, replacement is	not due to failure. w.o.
<u>2841280.</u>	,			
Pre-Pressured Test WO Review – ISI	N/A			
ANII	N/A	·	•	
Au			, ·	
Cer	rtificate of (Complian	ce	
		-		
We certify that the statements made in the I ASME Code, Section XI.	report are correc	t and this rep	placement confor	ms to the rules of the
Type Code Symbol Stamp	N/A		· · · · · · · · · · · · · · · · · · ·	/
Certificate of Authorization No.	N/A	· Ex	piration Date:	N/A
1				
Signed: Signed: Owner or Owner's Desi	gnee, Title	 	Date:	0 20 200
				· · · · · · · · · · · · · · · · · · ·
				•
	, , , , , , , , , , , , , , , , , , ,		· · · · · · · · · · · · · · · · · · ·	
CERTIFICATE	OF INSER	RVICE IN	SPECTION	
				·
I, the undersigned, holding a valid commi				
Inspectors and the State or Province of <u>Ari</u> inspected the components described in this				d, Connecticut, have
to, and state that	•		•	
examinations and taken corrective measu		in this Owr	ner's Report in	accordance with the
requirements of the ASME Code, Section X	(1.	·	•	
By signing this certificate, neither the Inspe	ector nor his or	nlover meka	ac any warranty	avaraged or implied
concerning the examinations and corrective				•
the Inspector nor his employer shall be liab	ole in any manno	er for any pe		
loss of any kind arising from or connected v	with this inspect	ion.		
25 fation	C	nmissions	NB 9685 "N" "	I" A 7264
Inspectors Signature		Juningstons:		Province, and Endorsements
mspeciois signature	Total state as			
Date: 10-26-06	<u> </u>			

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ASME SECTION XI – REPAIR / REPLACEMENT Page of 1. Component ID 2PRCEL146 2.. Item Description: Reactor Head Vent Piping Support Bracket 3. N-5 Data Package Number: 2RC01-2 4. W.O. Number: 2851471 5. Original Construction Code Edition: 1974 Edition, Winter 1975 Addenda 6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda 7. Work Description: Fabricate and Install Upgraded Design Reactor Head Vent Line Support Bracket 8. ISI Flaw NDE Method of Flaw Detection: Report Number: 9. Evaluation of the suitability of this work as per the requirements of IWA - 4150: The Unit-1 Reactor head vent line was inspected during U1R12 and found to be out of configuration. CRDR 2845898 was written to document and evaluate the condition. As part of the Transportability review, the Units 2 & 3 Reactor Head Vent Line support brackets are being inspected and if necessary will be replaced by an newly fabricated bracket per the details on drawing N001-0301-00168. 10. Repair/Replacement Work Organization: Arizona Public Service 11. Replacement Items Construction or reconciled Code/Edition: Sec. III NF Cl 1, 1974 Edition Winter 1975 Addenda 12. Repair/Replacement Activity Construction Code/Edition: Sec. III Cl 1, 1974 Edition 1975 Winter Addenda 13. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 14. Preservice Inspection Required: ☐ YES ON 🏻 Initial N/A wy Date 5/11/06 If required, include a step in the W.O. to perform Preservice Inspection 15. ASME Section XI Pressure Test Required: ☐ YES NO 🖂 If required, include a step in the W.O. for ISI & ANII Inspection. KUS Date 5/11/06 Kus Date 5/11/06 16. Include a step in the W.O. to complete NIS-2 Form prior to releasing the component. WS Date 5/11/06 17. Include a step in the W.O. to record below all applicable numbers for repaired or replacement items. Item ID Part No. Serial No. Heat No. MR/PO/WO No. 000097095 ≠ APN Channel, Structural SA36 00094303 00094303 Tubing, Structural SA36 Plate, 1/2" SA36 APN -MR 1097861 43103081 2102081 384 Bolt, 1/2" SA 193 Gr.B7 APN MR 1097861 \mathcal{N} Nut, 1/2" SA 194 Gr.B7 * Per TelCon with K. Savage 101616 Jem Printed Name: Karl V. Savage 5/11/06 18. Planner Printed Name: FRED POTEET Log Entry The Printed Name: R.G. HOGSTROM 5-11-06 20. ANII

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

As Required by the Provisions of the ASME Code Section XI

			10			<u> </u>	
1. Owner: Arizo	ona Public Service (Company, et. al.		Date:	05/11/200	<u>)6</u>	
<u>P. O. I</u>	Box 53999, Phoeni	x Arizona 85072-	<u>-2034</u>	Sheet:	1	of	
2. Plant: <u>Palo V</u>	Verde Nuclear Gene	erating Station		Unit: 2	<u>2</u>		
5801 South Wintersburg Road., Tonopah, Arizona 85354-7529 Work Order Number 2851471							
3. Work Performe	3. Work Performed by: <u>Arizona Public Service</u> Type of Code Stamp <u>None</u>						
				Author	rization No	o. <u>N/A</u>	
				Expira	ition Date	<u>N/A</u>	
4. Identification o	of System: <u>RC - Rea</u>	actor Coolant					
5. (a) Applicable	Construction Code <u>F</u>	ASME Section III 1	NF, Class 1	1974 Edition, Wint	<u>er 1975</u> A	ddenda, مالم Co	ode Case
(b) Applicable	Edition of Section X	KI Utilized for Repa	airs or Replace	ments: 1992 Edit	ion, 1992	Addenda	
6. Identification o	of Components Repai	ired or Replaced an	d Replacement	t Components			
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or NO)
Channel, Structural SA36	N/A	N/A	N/A	N001-0301-168 Item 656-03	N/A	Replacement	NO)
Tubing, Structural SA36	N/A	N/A	N/A	N001-0301-168 Item 656-04	N/A	Replacement	NO
Plate SA36	N/A	N/A	N/A	N001-0301-168 ltem 656-05	N/A	Replacement	NO
Bolts SA193GrB7	N/A	N/A	N/A	N001-0301-168 Item 656-12	N/A	Replacement	NO
Nuts SA194GrB7	N/A	N/A	N/A	N001-0301-168 Item 656-13	N/A	Replacement	NO
7. Description of V	Work: Replace the	head vent piping	support brac	ket to updated de	sign shov	vn on N001-030	1-00168
8. Test Conducted:	l: Hydrostatic	☐ Pneumatic	: Nomi	inal Operating Pres	sure 🗌	Exempt 🛛	
N-4	416-2 🔲 Other	r Pressure p	psi	Test	Temperatu	ıre°F	
inches, (2) info	NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 ½ X 11 inches, (2) information in items 1 thru 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the to of this form.						

. Remarks: Work Order 2851471. Fab	oricated and installed updated	l design of head vent piping s	upport bracket as shown
on drawing N001-0301-00168.	, routou una motamoa apauto	· · · · · · · · · · · · · · · · · · ·	<u> </u>
re-Pressured Test WO Review – ISI			
ANII_			
	Certificate of Co	mpliance	
We certify that the statements made ASME Code, Section XI.	e in the report are correct a	and this replacement confo	rms to the rules of the
Type Code Symbol Stamp	<u>N/A</u>		
Certificate of Authorization No.	<u>N/A</u>	Expiration Date: _	N/A
Signed: With State) ISI ENO	Date:	11-3-06
Owner or Ow	vner's Designee, Title		
		· · · · · · · · · · · · · · · · · · ·	
CERTIFI	CATE OF INSERV	ICE INSPECTION	
CERTIFIC	CATE OF INSERV	TCE INSPECTION	
I, the undersigned, holding a valid	commission issued by th	e National Board of boile	r and Pressure Vessel
I, the undersigned, holding a valid Inspectors and the State or Province	commission issued by the of Arizona and employe	e National Board of boile d by <u>HSB CT</u> of <u>Hartfo</u> r	r and Pressure Vessel
I, the undersigned, holding a valid	commission issued by the of Arizona and employed in this Owner's report of	e National Board of boile d by <u>HSB CT</u> of <u>Hartfor</u> luring the period of	r and Pressure Vessel
I, the undersigned, holding a valid Inspectors and the State or Province inspected the components described to, and so examinations and taken corrective	commission issued by the of Arizona and employed in this Owner's report of tate that to the best of my e measures described in	e National Board of boile d by <u>HSB CT</u> of <u>Hartfor</u> luring the period of knowledge and belief, the	r and Pressure Vessel rd, Connecticut, have s-11-06 Owner has performed
I, the undersigned, holding a valid Inspectors and the State or Province inspected the components described to, and state of, and state of,	commission issued by the of Arizona and employed in this Owner's report of tate that to the best of my e measures described in	e National Board of boile d by <u>HSB CT</u> of <u>Hartfor</u> luring the period of knowledge and belief, the	r and Pressure Vessel rd, Connecticut, have s-11-06 Owner has performed
I, the undersigned, holding a valid Inspectors and the State or Province inspected the components described to, and so examinations and taken corrective	commission issued by the of Arizona and employed in this Owner's report of tate that to the best of my e measures described in	e National Board of boile d by <u>HSB CT</u> of <u>Hartfor</u> luring the period of knowledge and belief, the	r and Pressure Vessel rd, Connecticut, have s-u-06 Owner has performed
I, the undersigned, holding a valid Inspectors and the State or Province inspected the components described to, and so examinations and taken corrective	commission issued by the of Arizona and employed in this Owner's report of tate that to the best of my e measures described in	e National Board of boile d by <u>HSB CT</u> of <u>Hartfor</u> luring the period of knowledge and belief, the	r and Pressure Vessel rd, Connecticut, have s-u-06 Owner has performed
I, the undersigned, holding a valid Inspectors and the State or Province inspected the components described to, and st examinations and taken corrective requirements of the ASME Code, Secondary 1988.	commission issued by the of Arizona and employed in this Owner's report of tate that to the best of my e measures described in ection XI.	e National Board of boile d by <u>HSB CT</u> of <u>Hartfor</u> luring the period of knowledge and belief, the this Owner's Report in	r and Pressure Vessel rd, Connecticut, have s-11-06 Owner has performed accordance with the
I, the undersigned, holding a valid Inspectors and the State or Province inspected the components described to, and st examinations and taken corrective requirements of the ASME Code, So By signing this certificate, neither the concerning the examinations and concerning the examinations and concerning the examinations and concerning the examinations are provinced.	commission issued by the of Arizona and employed in this Owner's report of tate that to the best of my emeasures described in ection XI. The Inspector nor his emplorrective measures described in the inspector of the inspector	e National Board of boile d by HSB CT of Hartfor luring the period of knowledge and belief, the this Owner's Report in over makes any warranty, and in this Owner's report.	r and Pressure Vessel rd, Connecticut, have s-11-06 Owner has performed accordance with the expressed or implied, Furthermore, neither
I, the undersigned, holding a valid Inspectors and the State or Province inspected the components described to, and st examinations and taken corrective requirements of the ASME Code, See By signing this certificate, neither the concerning the examinations and cothe Inspector nor his employer shall	commission issued by the of Arizona and employed in this Owner's report of tate that to the best of my e measures described in ection XI. The Inspector nor his emplorrective measures described in the liable in any manner	e National Board of boiled by HSB CT of Hartforduring the period of knowledge and belief, the this Owner's Report in oyer makes any warranty, and in this Owner's report. for any personal injury or	r and Pressure Vessel rd, Connecticut, have s-11-06 Owner has performed accordance with the expressed or implied, Furthermore, neither
I, the undersigned, holding a valid Inspectors and the State or Province inspected the components described to, and stexaminations and taken corrective requirements of the ASME Code, State o	commission issued by the of Arizona and employed in this Owner's report of tate that to the best of my e measures described in ection XI. The Inspector nor his emplorrective measures described in the liable in any manner	e National Board of boiled by HSB CT of Hartforduring the period of knowledge and belief, the this Owner's Report in oyer makes any warranty, and in this Owner's report. for any personal injury or	r and Pressure Vessel rd, Connecticut, have s-11-06 Owner has performed accordance with the expressed or implied, Furthermore, neither
I, the undersigned, holding a valid Inspectors and the State or Province inspected the components described to, and stexaminations and taken corrective requirements of the ASME Code, State of the ASME Code, State of the ASME code, State of the Inspector nor his employer shall	commission issued by the of Arizona and employed in this Owner's report of tate that to the best of my e measures described in ection XI. The Inspector nor his emplorrective measures described in the liable in any manner	e National Board of boiled by HSB CT of Hartforduring the period of knowledge and belief, the this Owner's Report in oyer makes any warranty, and in this Owner's report. for any personal injury or	r and Pressure Vessel rd, Connecticut, have s-11-06 Owner has performed accordance with the expressed or implied, Furthermore, neither
I, the undersigned, holding a valid Inspectors and the State or Province inspected the components described to, and stexaminations and taken corrective requirements of the ASME Code, State of the ASME Code, State of the ASME code, State of the Inspector nor his employer shall	commission issued by the of Arizona and employed in this Owner's report of tate that to the best of my emeasures described in ection XI. The Inspector nor his emplorrective measures described in the liable in any manner nected with this inspection.	e National Board of boiled by HSB CT of Hartforduring the period of knowledge and belief, the this Owner's Report in over makes any warranty, and in this Owner's report for any personal injury or n. Missions: NB 9685 "N"	r and Pressure Vessel rd, Connecticut, have s-11-06 Owner has performed accordance with the expressed or implied, Furthermore, neither property damage or a
I, the undersigned, holding a valid Inspectors and the State or Province inspected the components described to, and stexaminations and taken corrective requirements of the ASME Code, State of the ASME Code, State of the ASME code, State of the Inspector nor his employer shall	commission issued by the of Arizona and employed in this Owner's report of tate that to the best of my emeasures described in ection XI. The Inspector nor his emplorrective measures described in the liable in any manner nected with this inspection.	e National Board of boiled by HSB CT of Hartforduring the period of knowledge and belief, the this Owner's Report in over makes any warranty, and in this Owner's report for any personal injury or n. Missions: NB 9685 "N"	r and Pressure Vessel rd, Connecticut, have s-11-06 Owner has performed accordance with the expressed or implied, Furthermore, neither property damage or a
I, the undersigned, holding a valid Inspectors and the State or Province inspected the components described to, and so examinations and taken corrective requirements of the ASME Code, Some substitution of the ASME code, Some substitution of the Inspector nor his employer shall loss of any kind arising from or con	commission issued by the of Arizona and employed in this Owner's report of tate that to the best of my emeasures described in ection XI. The Inspector nor his emplorrective measures described in the liable in any manner nected with this inspection.	e National Board of boiled by HSB CT of Hartforduring the period of knowledge and belief, the this Owner's Report in over makes any warranty, and in this Owner's report for any personal injury or n. Missions: NB 9685 "N"	r and Pressure Vessel rd, Connecticut, have s-11-06 Owner has performed accordance with the expressed or implied, Furthermore, neither property damage or a

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	ASME SECTION	N XI – REPAIR / REP	PLACEMENT	
			Pa	geof
1. Component ID 45060185				
2 Item Description: Bonne				
3. N-5 Data Package Number		4. W.O. Number:	2860072	
5. Original Construction Con				
6. Original Installation Code				
7. Work Description: Repl	ace and weld a new stud			
8. ☐ ISI Flaw P/A		NDE Method of Flaw I Report Number:	Detection:	
9. Evaluation of the suitabili	ty of this work as per the	requirements of IWA - 4150	O:	
10. Repair/Replacement World 11. Replacement Items Cons 12. Repair/Replacement Acti 13. ASME Section XI Code/ 14. Preservice Inspection Relation Date	truction or reconciled Convity Construction Code/Edition: 1992 Edition quired: If required: The Test Req	de/Edition: Sec. III Cl 1, 1	D. to perform Preservice Of for ISI & ANII Inspecting Properties The properties of t	Inspection ction. or to releasing the
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
Disc	76347	SN 2	1Q90	WO 2837012
Disc Stud	APN 00093014	Trace # CL70	N/A	MR 1015735
18. Planner Signature 19. ISI	De- 10	Date Printed Name	BALL LEVAMAN	Log Entry
Signature		Date	0, 1,,,,,	
20. ANII Signature		Date Printed Name	: RG HOUSTROM	
PV216-08NI (8-88)				73DP-9ZZ17 Rev 9

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. 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 3. Work Performed by Arizona Public Service Type Code Symbol Stamp None N/A Authorization No. 5801 S. Wintersburg Rd., Tonopah, Az 85354-7529 Expiration Date N/A 4. Identification of System 5. (a) Applicable Construction Code ASME Section III 19 74 Edition, W75 Addenda, N/A Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 92 Edition, 92 Addenda 6. Identification of Components Repaired or Replaced and Replacement Components Repaired ASME Code Name of Manufacturer National Other Year Name of or Stamped Manufacturer Serial No. Board No. Identification ltem Built Replacement (Yes or No) SN 2 NA 1978 DISC Borg-Warner NA Repaired Yes 7. Description of Work Note remarks in Section 9 on Page 2. Nominal Operating Pressure N-416-1 🔲 8. Test Conducted: Hydrostatic Pneumatic Other ___ 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.

PV-E0092 Ver. 7

9.	Remarks Work Order 2860072 was utilized to replace the stud in the disc. This WO does not install the disc. into a valve.
••	
	Pre-Pressure Test Review: ISINAANIINA
	CERTIFICATE OF COMPLIANCE
	We certify that the statements made in the report are correct and this repair 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 1-3-06 Owner or Owner's Designee, Title
1	
٠,	
	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 Access and employed by HSB CT
	of <u>Hartford, Connecticut</u> , have inspected the components described in this Owner's Report during the period 10-2-00 to 11-4-00, 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.
ľ	
	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 Az 264 (Inspector's Signature National Board, State, Province, and Endorsements
	Data 11-4-06

PV-E0092 Ver. 7 BACK 73DP-9ZZ17

	ASME SECTION	XI – REPAIR / REPI	LACEMENT	
			Pag	ge <u> </u>
1. Component ID 2JSIBUV	<u> 70679</u>			
2 Item Description: "B" T				•
3. N-5 Data Package Numbe		4. W.O. Number:	<u>2861198</u>	, ,
5. Original Construction Co		•		
6. Original Installation Code	lace the gasket retainer bolts		· . 001-1104-00278	
8. ☐ ISI Flaw	ideo tho gasket retainer boxes	NDE Method of Flaw De		
		Report Number:		
9. Evaluation of the suitabili	ty of this work as per the rec	quirements of IWA - 4150:		•
No failure of the ASME	code boundary			
		•		
			æ ?	18,
10. Repair/Replacement Wo	_		5 3	18106
11. Replacement Items Cons			•	
 Repair/Replacement Act ASME Section XI Code. 		ition: Sec. III Ct 2, 1974 in de 1992 Addenda	Edition 1975 Winter Ac	idenda
14. Preservice Inspection Re		☐ YES ☐ NO		
			A Company of the Company	
Initial A Date _	If required.	, include a step in the W.O.	to perform Preservice	Inspection
15. ASME Section XI Press	are Test Required:	☐ YES 🖾 NO		
Initial A Date _	If required,	, include a step in the W.O.	for ISI & ANII Inspect	tion.
Initial J. Date	3- 7-06 16. Include	e a step in the W.O. to com	plete NIS-2 Form prior	to releasing the
	component	•		
Initial T. D. Date	3-7-06 17. Include replacement	e a step in the W.O. to reco	ord below all applicable	numbers for repaired or
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
		1	HC#516788	,
Gasket retainer bolts	APN 43141195	N/A	000 314100	MR 1074044
				5.00
* S \$5				
	·	÷ -		
	·	,		
		:		:
	///			
18. Planner Signature		Printed Name:	James I. Davis	
APP S	2P 3-8-		<i>Q</i> 0	~ ~~
19. ISI Signature		Printed Name:	N. T. INDAF	Log Entry RPR
) Signature	·	· ·		
20. ANII to the			1	the state of the s
Signature	. 3-4-	Printed Name:	R.G. HOGESTRO.	• • • • • • • • • • • • • • • • • • •

1. Owner <u>Arizona</u>	Public Service Co	mpany, et. al.	· · ·		Date		11/03/06	·
<u>P.O. Box</u>	x 53999, Phoenix,	Arizona 85072 Address	2-2034		Sheet_	1	of	2
2 Plant Palo Ver	2. Plant Palo Verde Nuclear Generating Station						2	• .
	Wintersburg Rd.,	Name	ona 85354-				2861198	
.5.5.5.		Address					Work Order Number	
3. Work Performed b	y Arizona Public	Service			Type Co	de Syn	nbol Stamp	None
; I	r e e e e e e e e e e e e e e e e e e e	tame	,		Authoriz	ation N	oN	/A
5801 S.	Wintersburg Rd., 7	Fonopah, Az 8	5354-7529)	Expiration	n Date	N/	Α
		Address						
4. Identification of Sy	stem SI				· · ·			
5. (a) Applicable Cor	nstruction Code ASM	ME Section III	19 <u>74</u>	Edition,	W75	_ Adde	enda, <u>N/A</u>	Code Case
(h) Applicable Edi	tion of Section XI Utiliz	zed for Repairs or	r Replacemen	nts 19	92 Edit	ion. (02 Adder	nda .
(6) / (6)	1011 01 0001.01.71. 0 1	Journal Hopeway	Topiassina		<u> </u>		<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>	104
6. Identification of Co	omponents Repaired o	r Replaced and R	teplacement (Compor	nents			
Name of	Name of	Manufacturer			ther	Year	Repaired or	ASME Code Stamped
Item	Manufacturer	Serial No.	Board No.	Identi	fication	Built	Replacement	(Yes or No)
Valve	Posi Seal	14338-1-B	NA	2JSIB	UV679	1979	Repaired .	Yes
Bolts	NA -	NA	NA _.	HC#	516788	2006	Replacement	No
								age.
						•		
				,				
<u> </u>			 				<u> </u>	
7. Description of World	k {note remarks o	on Page 2}	· · · · · · · · · · · · · · · · · · ·					
8. Test Conducted:	Hydrostatic P	neumatic 🔲	Nominal Ope	eratina (Draceura.	· 	Exempt 🗸	N-416-1 🔲
o. rest conducted.	riyotostatic	neumanc	Nominal Opc	stating .	1633010	إسيا	Everibr (14-410-1
*	Other 🔲	Pressure	psi	÷		Test Te	emp	_°F
No. 10.		- به سپه،	· · .		٠.	٠.	:	
NOTE: Supplement	tal sheets in form of	lists, sketches,	or drawings	s may t	e used,	provid	ded (1) size is 8	3 1/2 x 11 in.,
(2) information in ite	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	1.		:			

73DP-9ZZ17

FORM NIS-2 (Back)

CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rule of the ASME Code, Section XI. Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Expiration Date N/A Signed CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vesse Inspectors and the State or Province of Augusta and employed by HSB CT of Hartford. Connecticut have inspected the components described in this Owner's Report during the period 3-4-0-6 to 1-3-0-6 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 personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions Az 26-4 National Board, State, Province, and Endorsements Date 11-3-0-6	XX UI	rk Order 2934186 wa	s performed to re	eplace the gasket re	tainer holts on valve	21SIBUV679
CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rule of the ASME Code, Section XI. Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Expiration Date N/A Date 1-3-6 Certificate of Authorization No. N/A Expiration Date N/A Date 1-3-6 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 Vesse Inspectors and the State or Province of ARIZONA and employed by HSB CT of Hartford, Connecticut , have inspected the components described in this Owner's Report during the period 3-9-06 to 1-3-06 , 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 implice 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 Az 264 National Board, State, Province, and Endorsements						
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CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vesse Inspectors and the State or Province of	Certificate of A	Authorization No	N/A		Expiration Date	N/A
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vesse Inspectors and the State or Province of	Signed	1734-		ENGL	Date //-	306
Inspectors and the State or Province of ARIZONA and employed by HSB CT of Hartford, Connecticut, have inspected the components described in this Owner's Report during the period 3-9-06 to 1-3-06, 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, 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 Az Z64 National Board, State, Province, and Endorsements		Owr	ner or Owner's Designer	e, Title		
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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 Az 264 National Board, State, Province, and Endorsements	Inspectors and of <u>Hartford</u> the period belief, the Own	nned, holding a valid of the State or Provinced, Connecticut, h 3-9-06 to ner has performed ex	commission issued to the commission issued the commission is and commission is and commission is and commission is and commission is and commission is and commission is and commission is and commission is and commission is and commission is and commission is an architectural commission is an architectural commission is an architectural commission is an architectural commission is a commission is a commission is a commission is a commission is a commission is a commission is a commission is a commission is a commission is a commission is a commission is a commission in a commission is a commission is a commission in a commission is a commission in a commission is a commission in a commission in a commission is a commission in	ed by the National E _ and employed by e components desc , and state th taken corrective me	Board of Boiler and Property HSB CT cribed in this Owner's lat to the best of my kneasures described in the second control of the se	Report during
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 Az 264 National Board, State, Province, and Endorsements	Inspectors and of <u>Hartford</u> the periodbelief, the Own	nned, holding a valid of the State or Provinced, Connecticut, h 3-9-06 to ner has performed ex	commission issued to the commission issued the commission is and commission is and commission is and commission is and commission is and commission is and commission is and commission is and commission is and commission is and commission is and commission is an architectural commission is an architectural commission is an architectural commission is an architectural commission is a commission is a commission is a commission is a commission is a commission is a commission is a commission is a commission is a commission is a commission is a commission is a commission in a commission is a commission is a commission in a commission is a commission in a commission is a commission in a commission in a commission is a commission in	ed by the National E _ and employed by e components desc , and state th taken corrective me	Board of Boiler and Property HSB CT cribed in this Owner's lat to the best of my kneasures described in the second control of the se	Report during
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 Az 264 National Board, State, Province, and Endorsements	Inspectors and of <u>Hartford</u> the period belief, the Own	nned, holding a valid of the State or Provinced, Connecticut, h 3-9-06 to ner has performed ex	commission issued to the commission issued the commission is and commission is and commission is and commission is and commission is and commission is and commission is and commission is and commission is and commission is and commission is and commission is an architectural commission is an architectural commission is an architectural commission is an architectural commission is a commission is a commission is a commission is a commission is a commission is a commission is a commission is a commission is a commission is a commission is a commission is a commission in a commission is a commission is a commission in a commission is a commission in a commission is a commission in a commission in a commission is a commission in	ed by the National E _ and employed by e components desc , and state th taken corrective me	Board of Boiler and Property HSB CT cribed in this Owner's lat to the best of my kneasures described in the second control of the se	Report during
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 Az ZGA National Board, State, Province, and Endorsements	Inspectors and of <u>Hartford</u> the period belief, the Owr Report in acco	nned, holding a valid of the State or Provinced. Connecticut, has been as performed expressions with the requirement.	commission issued to the first of the Annual Commission is sue the first of the Annual Commission is sue the Annual Commission is su	ed by the National E and employed by e components desc , and state the taken corrective me ASME Code, Section	Board of Boiler and Pi HSB CT cribed in this Owner's lat to the best of my keeps described in the National Control of the Na	Report during nowledge and his Owner's
damage or a loss of any kind arising from or connected with this inspection. Commissions Az 264 National Board, State, Province, and Endorsements	Inspectors and of <u>Hartford</u> the period belief, the Owr Report in acco	ned, holding a valid of the State or Province of the State or Province of the State or Province of the State	commission issued to the second secon	ed by the National E _ and employed by e components desc, and state th taken corrective me ASME Code, Section this employer makes	Board of Boiler and Property HSB CT cribed in this Owner's that to the best of my kneasures described in the NI.	Report during nowledge and his Owner's seed or implie
. Commissions Az 264 Inspector's Signature National Board, State, Province, and Endorsements	Inspectors and of <u>Hartford</u> the period belief, the Owr Report in acco	gned, holding a valid of the State or Province of the State or Province of the State or Province of the State or Province of the State	commission issued to the inspector and irements of the Annier Inspector nor corrective measures.	ed by the National E and employed by e components desc , and state th taken corrective me ASME Code, Section his employer makes es described in this	Board of Boiler and Pine HSB CT cribed in this Owner's leat to the best of my ket assures described in the NI. s any warranty, express Owner's Report. Further HSB CT	Report during nowledge and his Owner's ssed or implie
. Commissions Az 264 Inspector's Signature National Board, State, Province, and Endorsements	Inspectors and of <u>Hartford</u> the period belief, the Owr Report in acco	gned, holding a valid of the State or Province of the State or Province of the State or Province of the State or Province of the State	commission issued to the inspector and irements of the Annier Inspector nor corrective measures.	ed by the National E and employed by e components desc , and state th taken corrective me ASME Code, Section his employer makes es described in this	Board of Boiler and Pine HSB CT cribed in this Owner's leat to the best of my ket assures described in the NI. s any warranty, express Owner's Report. Further HSB CT	Report during nowledge and his Owner's ssed or implie
In Spector's Signature National Board, State, Province, and Endorsements	Inspectors and of <u>Hartford</u> the period belief, the Owr Report in acco	ned, holding a valid of the State or Province of the State or Province of the State or Province of the State or Province of the State o	commission issued to the following the follo	ed by the National E and employed by e components desc , and state the taken corrective me ASME Code, Section this employer makes tes described in this e in any manner for	Board of Boiler and Property of the Board of Boiler and Property of the Board of th	Report during nowledge and his Owner's ssed or implie
Inspector's Signature National Board, State, Province, and Endorsements	Inspectors and of <u>Hartford</u> the period belief, the Owr Report in acco	ned, holding a valid of the State or Province of the State or Province of the State or Province of the State or Province of the State o	commission issued to the following the follo	ed by the National E and employed by e components desc , and state the taken corrective me ASME Code, Section this employer makes tes described in this e in any manner for	Board of Boiler and Property of the Board of Boiler and Property of the Board of th	Report during nowledge and his Owner's ssed or implie
Inspector's Signature National Board, State, Province, and Endorsements	Inspectors and of <u>Hartford</u> the period belief, the Owr Report in acco	ned, holding a valid of the State or Province of the State or Province of the State or Province of the State or Province of the State o	commission issued to the following the follo	ed by the National E and employed by e components desc , and state the taken corrective me ASME Code, Section this employer makes tes described in this e in any manner for	Board of Boiler and Property of the Board of Boiler and Property of the Board of th	Report during nowledge and his Owner's ssed or implie
Deta #-3-0/s	Inspectors and of <u>Hartford</u> the period belief, the Owr Report in acco	ned, holding a valid of the State or Province of the State or Province of the State or Province of the State or Province of the State o	commission issued to the following the follo	ed by the National E and employed by e components described in this employer makes the described in this e in any manner for eted with this inspection	Board of Boiler and Pine HSB CT cribed in this Owner's lat to the best of my ket as a sures described in the NI. s any warranty, express Owner's Report. Further any personal injury outlion.	Report during nowledge and his Owner's ssed or implie
Deta #-3-0/a	Inspectors and of <u>Hartford</u> the period belief, the Owr Report in acco	ned, holding a valid of the State or Province of the State or Province of the State or Province of the State or Province of the State o	commission issued to the following the follo	ed by the National E and employed by e components described in this employer makes the described in this e in any manner for eted with this inspection.	Board of Boiler and Promised in this Owner's easures described in the National Indiana State of the Board of the State of the Board of the State of the Board of the State of the Board of	Report during nowledge and his Owner's seed or implies the remore, or property
1.070 (1.500)	Inspectors and of <u>Hartford</u> the period belief, the Owr Report in acco	ned, holding a valid of the State or Province of the State or Province of the State or Province of the State or Province of the State o	commission issued to the following the follo	ed by the National E and employed by e components described in this employer makes the described in this e in any manner for eted with this inspection.	Board of Boiler and Promised in this Owner's easures described in the National Indiana State of the Board of the State of the Board of the State of the Board of the State of the Board of	Report during nowledge and his Owner's ssed or implies the remore, or property

73DP-9ZZ17

	ASME SECTION	XI – REPAIR / REP	PLACEMENT	
			? Page	eof
1. Component ID 2PCHN	<u>V816</u>			
	2" Borg Warner 1586# Y Ty			
3. N-5 Data Package Numb		4. W.O. Number:	2861966	·
	ode Edition: 1974 Edition,			
	de Edition: <u>1974 Edition, W</u>		4 and	
· •	sassemble valve to correct se placed. If necessary will repla			removed and later
8. ISI Flaw	•	NDE Method of Flaw I	Detection: n/a	
		Report Number: n/a		
9. Evaluation of the suitabi	lity of this work as per the re	quirements of IWA - 4150	0:	
Not a failure of the AS	ME pressure boundary. Seal	weld is required to be rem	oved to allow for valve di	sassembly. Plug if
necessary is being repla	aced due to normal wear.			
		•	•	
	ork Organization: Arizona			
	nstruction or reconciled Code			
13. ASME Section XI Cod	ctivity Construction Code/Ed	mon: <u>Sec. III CI 2, 1974</u> 1d 1992 Addenda	Edition 1975 Winter Add	<u>ienda</u>
14. Preservice Inspection R		☐ YES 🖾 NO		÷ .
^			,	
Initial Wash Date			D. to perform Preservice In	nspection
15. ASME Section XI Pres	sure Test Required:	☐ YES ⊠ N	0	·
Initial Prof Date	1-4-06 If required	, include a step in the W.C	D. for ISI & ANII Inspecti	on.
Initial Post Date		<u>-</u>	mplete NIS-2 Form prior	to releasing the
mitial Por Daic 1	componen	t.		
Initial Purs Date	フ・ヤンハイ	•	cord below all applicable r	numbers for repaired or
Item ID	Topiacomo	·	TI4 NI-	MD/DO/WO No
	Part No.	Serial No.	Heat No.	MR/PO/WO No.
1-1/2" Borg Warner Valve	N/A	881-L-0042	N/A	N/A
Body/Bonnet Seal Weld	N/A	N/A	N/A	N/A
Plug/Stem Ass'y	APN 45021140	20	856979D	1149909 MR 1116368 17,
			H-10/8/06	
0 0	1 101			·
18. Planner World	1/ ADDING 7.4	206 Printed Name	: David Goodlet	.]
Signature) _)		
19. ISI Thad	ap - 7/12	106 Printed Name	RP. INDAP	Log Entry NP
Signature	I I	Date	•	
20. ANII 75 tytion	7-12	Printed Name	R.G. HOGSTROM	
Signature	, I	Date		

<					·				
1. Owner: Ariz	ona Public Service	Company, et. al.		- ·	Date: <u>10</u>	-13-2006	•		
<u>P. O.</u>	Box 53999, Phoeni	<u>ix Arizona 85072-20</u>	<u>034</u>		Sheet:	<u>1</u> of <u>2</u>			
2. Plant: Palo	Verde Nuclear Gen	erating Station			Unit: <u>2</u>				
<u>5801</u>	South Wintersburg	Road., Tonopah, A	rizona 8535	54-7529	Work Ord	er Numbe	r <u>2861966</u>		
3. Work Perform	ned by: Arizona Publi	c Service			Type of C	ode Stamp	None None		
			·,		Authoriza	tion No.	<u>N/A</u>	4	
					Expiration	Date N	' <u>A</u>		
4. Identification	of System: <u>CH: Che</u>	mical & Volumn Con	atrol System				- 1	-	
5. (a) Applicable	e Construction Code .	ASME Section III NC	Class 2	1974 Editio	n, <u>Winter 1</u>	<u>975</u> Adde	nda,'Cod	e Case	
(b) Applicabl	e Edition of Section 2	XI Utilized for Repair	s or Replace	ments: <u>199</u>	2 Edition	1992 Ac	ldenda		
6. Identification	of Components Repair	ired or Replaced and I	Replacement	Componen	nts				
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Ot Identif	her ication	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)	
Valve	Borg Warner	881-L-0042	N/A	2PCHNV	816	1990	Repaired	YES	
Seal Weld	N/A	N/A	N/A	2PCHNV	816	2006	Replacement	NO	
Plug/Stem Ass'y	Flowserve	20	N/A	2PCHNV	816	2006	Replacement	NO	
							12.15 12.15 13.15 13.15		
							,·		
7. Description of	Work: Disassembl	ed valve to rework	to correct so	eat leakage	e. Remove	d & repla	ced seal weld	& plug.	
8. Test Conducte	d: Hydrostatic	Pneumatic [Nomi	inal Operati	ng Pressure		Exempt 🛛		
N	-416-2 Other	Pressure psi	i		Test Ten	perature	°F		
** *** *****		1							
• •		form of lists, sketche I thru 6 on this repo		•	-				

and the number of sheets is recorded at the to of this form.

) } .	FORM NIS-2 (Back)
)	Remarks: Per wo# 2861966 on valve 2PCHNV816 the body to bonnet seal weld will need to be removed to disassemble the valve to correct seat leakage. Following rework the seal weld will be replaced. The plug/stem assembly was replaced due to seat wear.
Pr	re-Pressured Test WO Review – ISI ANII ANII
	Certificate of Compliance
	We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp
₩*	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 HSB CT of Hartford, Connecticut, have inspected the components described in this Owner's report during the period of 7-12-06 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: NB 9685 "N" "I" AZ264 National Board, State, Province, and Endorsements
1	Date:10-14-06

•	ASME SECTION	XI – REPAIR / REPI	LACEMENT	••
			Pag	ge of
1. Component ID BY-14537	7_			
2 Item Description: Spare P	resurizer safety relief valve	<u>e</u>		
3. N-5 Data Package Number:		4. W.O. Number:	<u>2863036</u>	•
5. Original Construction Code			•	
6. Original Installation Code		inter 1975 Addenda		
7. Work Description: Over	haul of spare reliefe valve.			
8. 🗌 ISI Flaw		NDE Method of Flaw Do	etection: N/A	•
O Frankrika of the collection		Report Number: N/A		•
9. Evaluation of the suitability	•	-		
No failure of ASME III p	resure boundary. The spare	valve was reworked and t	he spring was replaced	due to greater than
.250" of tilt.				•
10. Repair/Replacement Wor	-			
11. Replacement Items Const				
12. Repair/Replacement Activ			Edition 1975 Winter A	<u>ddenda</u>
13. ASME Section XI Code/I	-	nd 1992 Addenda		
14. Preservice Inspection Req	uired:	☐ YES 🛛 NO		
Initial Prof Date 3	30-DL If required	, include a step in the W.O). to perform Preservice	Inspection
15. ASME Section XI Pressur		☐ YES ☒ NO		-
	· · · · · · · · · · · · · · · · · ·	, include a step in the W.O		etion.
Initial Mark Date 9-		-		
Initial Mark Date 9-	300 component	e a step in the W.O. to cont t for permanent service or		r to releasing the
	. 17 7 1 1	•		
Initial Mass. Date 9-	70-05 replacemen	e a step in the W.O. to recont items.	ord below all applicable	e numbers for repaired or
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
Spring assembly	APN # 00066798	96565-1	N/A	PO 500249344
opining assembly	111111111111111111111111111111111111111	70303 1	1471	
		-		
	,	1		
				<u> </u>
\wedge 1	10 004			
18. Planner Landed	South 9-5	-CC Printed Name	: DAVID M. (TELDLET
Signature	•	Date		•
19. ISI Princa	P 10/3	Printed Name	R.P. INDAF	P Log Entry RPZ
Signature		Date		
20 ANT 25 1 ±	/i3 ~ ^	1-06 Printed Name	: R.G. HOGSTRO	₩.
20. ANII XX toption		Date Printed Name		

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

As Required by the Provisions of the ASME Code Section XI

1 Oumar: Arizot	na Public Service (Company et al			Date: 09/	30/2006		
	*.				 -			
<u>P. O. F</u>	<u>30x 53999, Phoeni</u>	x Arizona 85072-20	<u>)34</u>	٠	Sheet:	<u>1</u> of <u>2</u>		
2. Plant: Palo V	2. Plant: Palo Verde Nuclear Generating Station Unit: 2							
<u>5801 S</u>	5801 South Wintersburg Road., Tonopah, Arizona 85354-7529 Work Order Number 2863036							
3. Work Performe	d by: NWS Technol	ogies			Type of Co	ode Stamp	None	
					Authorizat	tion No.	N/A	
					Expiration	Date N/	<u>A</u> .	
4. Identification of	f System: RC Reac	tor Coolant System						
5. (a) Applicable	Construction Code <u>A</u>	ASME Section III NB	, Class 1 1	<u>974</u> Editio	n, <u>Summer</u>	1975 Add	enda, <u>N/A</u> Code	Case
(b) Applicable	Edition of Section X	I Utilized for Repair	s or Replace	ments: <u>199</u>	92 Edition,	1992 Ad	denda	
6. Identification of	f Components Repai	red or Replaced and I	Replacement	Componer	nts			
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.		her ication	Year Built	Repaired or Replacement	ASME Code Stamped
		•						(Yes or No)
Spring Assembly	DRESSER	96565-1	N/A	BY-1453	7	2006	Replacement	NO
		· · · · ·			, , ,		-	
·					,			
							-	
				<u> </u>				
7. Description of V	Work: The spare v	alve was reworked	and the spr	ing was re	placed.			<u> </u>
8. Test Conducted	: Hydrostatic	Pneumatic [Nomi	inal Operat	ing Pressure	e 🔲 🗆	Exempt 🛛	
N-4	416-2 Other	Pressure ps	i		Test Ten	nperature	°F	
inches, (2) info	ormation in items 1	form of lists, sketch thru 6 on this repo ded at the to of this	ort is include	•	_			

FOR	M NIS-2 (Back)
9. Remarks: <u>WO 2863036 SN BY-14537 was rework tilt.</u>	ed and the spring assembly was replaced due to greater than .250"
Pre-Pressured Test WO Review – ISI	/A
ANIIN	/A /A
Certifi	cate of Compliance
We certify that the statements made in the repor ASME Code, Section XI.	t are correct and this replacement conforms to the rules of the
Type Code Symbol Stamp	N/A
	N/A Expiration Date: N/A
Signed: PHODAP, ISI EN Owner or Owner's Designee,	Gineer Date: 10-3-2006
J	
I, the undersigned, holding a valid commission Inspectors and the State or Province of Arizona inspected the components described in this Ow to, and state that to the components of the	r issued by the National Board of boiler and Pressure Vessel and employed by HSB CT of Hartford, Connecticut, have there's report during the period of he best of my knowledge and belief, the Owner has performed described in this Owner's Report in accordance with the
concerning the examinations and corrective me	nor his employer makes any warranty, expressed or implied, asures described in this Owner's report. Furthermore, neither any manner for any personal injury or property damage or a this inspection.
Inspectors Signature	Commissions: NB 9685 "N" "I" AZ264 National Board, State, Province, and Endorsements
Date: 10-4-06	

	ASME SECTION X	I – REPAIR / REPL	ACEMENT	· · · · · · · · · · · · · · · · · · ·							
			Pa	geof							
1. Component ID 2PSIEV54	<u>3</u>										
2 Item Description: HPSI/L	PSI Header Loop Injection (Check Valve									
3. N-5 Data Package Number	: <u>2RC01-1B</u>	4. W.O. Number: 2	863671								
5. Original Construction Cod	e Edition: <u>1974 Edition, W</u>	inter 1975 Addenda	week it								
6. Original Installation Code		imer 1975 Addenda	D31+1-2-16								
7. Work Description: Rewo		disc assembly to correct s	eat leakage								
8. ☐ ISI Flaw P	· · · · · · · · · · · · · · · · · · ·	NDE Method of Flaw Det Report Number:	ection:								
9. Evaluation of the suitabilit	y of this work as per the requ	irements of IWA - 4150:									
Seat leakage - No ASME	boundary failure										
10. Repair/Replacement Wor	k Organization: Arizona Pu	ablic Service									
11. Replacement Items Const	the state of the s	and the second of the second o	74 Edition 1975 Winte	er Addenda							
12. Repair/Replacement Acti			* * *								
13. ASME Section XI Code/I	the state of the s			<u> </u>							
14. Preservice Inspection Rec		YES NO									
Initial MA Date	If required, in	nclude a step in the W.O.	to perform Preservice	Inspection							
15. ASME Section XI Pressur		YES NO									
		nclude a step in the W.O.	for ISI & ANII Inspec	ction.							
Initial J. Date 4 Initial J. Date 4		a step in the W.O. to comp									
Initial Date	component.										
Initial Jo Date 4	-35-06 17. Include a replacement	a step in the W.O. to recorditems.	d below all applicable	numbers for repaired or							
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.							
Assembly prim	NO 291 208			3,224, 0, 1, 0							
113511100 121011	21/2/10										
, <u>(24.</u>				P galac							
· · · · · · · · · · · · · · · · · · ·											
			,								
18. Planner Signature	18. Planner James I. Davis Date Printed Name: James I. Davis										
19. ISI // L/	19 ISI 1/6/10 4-76-06 Drinted Name: 71 Rames 21/2 Los Entre D, 12										
Signature	Date			19. ISI Signature Printed Name: ALBROSE Nic Log Entry 1213							
,				•							
20. ANII Signature	4-24-0 Date		R.C. HOGSTRON	1							

FORM	NIS-2 OWNE As Required b	and the second s				The state of the s	MENTS
1. Owner <u>Arizona</u>	Public Service Co	mpany, et. al.		Date		11/02/06	
	x 53999, Phoenix,			Sheet	1	of	2
2. Plant Palo Ver	de Nuclear Genera		. ·	Unit		2	· · ·
	Wintersburg Rd., 7	Name Tonopah, Arizo	ona 85354-	7529	٠.	2863671 Work Order Number	
	A	Address					
3. Work Performed by	y Arizona Public S	Service		Type Co	de Syn	mbol Stamp	None
				Authoriz	ation N	io. <u>N/</u>	<u>/A</u>
5801 S.	Wintersburg Rd.,	Tonopah, Az 8	5354-7529	Expiratio	n Date	N/2	A
4. Identification of Sy	D.C.	iddiess					<u>,</u>
5 (a) Applicable Cou	nstruction Code ASM	AT Section III	10 74	Edition W75	· Adde	anda NI/A	Codo Casa
				:	-		
(b) Applicable Edit	ition of Section XI Utiliz	zed for Repairs or	Replacemen	its 19 <u>92</u> Edit	ion, _	92 Adden	ıda
6. Identification of Co	omponents Repaired o	r Replaced and R	leplacement (Components			
Name of Item	Name of Manufacturer	Manufacturer Serial No.		Other Identification	Year Built		ASME Code Stamped (Yes or No)
Valve	Borg-Warner	51029	1606	2PSIAV543	1979	Repaired	Yes
Bonnet	Borg-Warner	SN 18	NA	NA	*	Replacement	Yes
Disc	Borg-Warner	SN 8	NA	NA	*	Replacement	Yes
	: ::						
							(2) (2) (2) (3) (3) (3) (3) (3) (3) (3) (3) (3) (3
		. :					:
						,	
7. Description of Wor	k * Note remarks	· .					
8. Test Conducted:	Hydrostatic P	Pneumatic 🔲	Nominal Ope	erating Pressure	$ \mathbf{V} $	Exempt	N-416-1 🔲
	Other	Pressure 2 6	psi		Test Te	emp. ρA	_°Ė
(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				

PV-E0092 Ver. 7 73DP-9ZZ17

FORM NIS-2 (Back)

Remarks	Work Order 2863671 was utilized to replace the bonnet and disc assembly. The replacement
	assembly was removed from 1PSIAV541 by WO 2824821. It was refurbished by WO 2912178.
Pre-Press	sure Test Review: ISI D BUIL ANII 4 11-0-06
	CERTIFICATE OF COMPLIANCE
-	fy that the statements made in the report are correct and this replacement conforms to the rule. SME Code, Section XI.
Type Co	de Symbol Stamp N/A
Certificat	te of Authorization No. N/A Expiration Date N/A
Signed_	Date 11406
	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 Augusta and employed by HSB CT
	rtford, Connecticut, have inspected the components described in this Owner's Report during
	d <u>4-26-∞</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
Report in	accordance with the requirements of the ASME Code, Section XI.
concernir	g this certificate, neither the Inspector nor his employer makes any warranty, expressed or implieing 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.
	04/-
•	Commissions N8 9685 "A.N.C." Az 264 Inspector's Signature National Board, State, Province, and Endorsements
	Vinspector's digitature recomments

73DP-9ZZ17

	ASME SECTION X	I – REPAIR / REPL	ACEMENT						
			Page	of					
1. Component ID 2PSIBV10	<u>)26</u>								
	2 Item Description: 1" Vent Valve with blind flange.								
3. N-5 Data Package Number		4. W.O. Number: 2	<u>2865107</u>						
5. Original Construction Cod	· . 								
6. Original Installation Code	<u> </u>	· · · · · · · · · · · · · · · · · · ·	3.511.000.45.45						
	Il a vent valve in line 2PSIBL		•						
8. ISI Flaw		NDE Method of Flaw Det Report Number: n/a	rection: n/a						
9. Evaluation of the suitabilit									
and the second of the second o	E III pressure boundary. The		navy docion abango to oc	id a want to the					
	E III pressure boundary. The	varve and piping are a	new design change to ac	id a vent to the					
existing system piping.									
10 ID Starting Suggestion (a)	1. O D-	Lie Comine							
10. 'Repair/Replacement Wor11. Replacement Items Const			74 Edition 1076 Summe	or Addendo					
12. Repair/Replacement Acti			Control of a street of the street	The state of the s					
13. ASME Section XI Code/			January 1979 William	ionau					
14. Preservice Inspection Rec		YES NO							
Initial Dung Date 9			•• Di I-						
15. ASME Section XI Pressu		nclude a step in the W.O. YES NO	to perform Freservice in	ispection					
		nclude a step in the W.O.	for ISI & ANII Inspection	on.					
Initial May Date 9	,,,	a step in the W.O. to com							
Initial Puns Date 9	- /0 - / 6	or permanent service or pe	·	o recessing the					
Initial Quel Date 9	IP-DL 17. Include:	a step in the W.O. to recor	rd below all applicable n	umbers for repaired or					
		items.							
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.					
Valve	APN 45000244	13B66	NA	MR 1092976					
16"x1" Weldolet	APN 00098057 4/19/04	NA	7265182	MR 1143022 1716					
1" Pipe	APN: 43510515	N/A	So3173 HOZGAN	MR 1092976					
1" SW Flange	APN 43580760	N/A	26545	MR 1092976					
1" Bling Flange	APN 43580943	N /A	45-54811-6-1	MR 1142080					
Studs - 7/8" dia.	APN 43115015	N/A	726514	MR 1092976					
Nuts - 7/8"	APN 43127016	rs/A	IYI	MR 1092976					
18. Planner _ Danker	July 9-16-0	2006 Printed Name:	DAVID M, G	OODLET					
Signature	Dat								
10 151 Paphoda	D 9-19-	2006 Printed Name	R.P. INDAP	RPR					
19. ISI Signature	Dat	Frinted Name:	17 1 2 10/11	Log Entry_V					
	9-19-	* .	01. 11.						
20. ANII Signature	Dat	Printed Name:	R.G. HOGGTRON	<u> </u>					
		· · · · · · · · · · · · · · · · · · ·							

1. Owner: Arizon	na Public Service C	Company, et. al.		Date: <u>10/</u>	<u>26/2006</u>		
<u>P. O. F</u>	30x 53999, Phoeni:	x Arizona 85072-20	<u>)34</u>	Sheet: 1	<u>1</u> of <u>2</u>		
2. Plant: Palo V	Verde Nuclear Gene	erating Station		Unit: <u>2</u>			
<u>5801 S</u>	South Wintersburg	Road., Tonopah, Ar	rizona 8535	54-7529 Work Orde	er Number	r <u>2865107</u>	
3. Work Performe	ed by: <u>Arizona Public</u>	: Service		Type of Co	ode Stamp	<u>None</u>	
er skriver ogsåkerige Villager Villager				Authorizat	tion No.	<u>N/A</u>	
4. Identification o	of System: SI: Safety	y Injection System		Expiration	Date N/	<u>A</u>	in and process
5. (a) Applicable	Construction Code £	ASME Section III NB	., Class 1 - 1	1974 Edition, Winter 19	975 Adder	nda, <u>//</u> Code	e Case
(b) Applicable	Edition of Section X	(I Utilized for Repair	s or Replace	ments: 1992 Edition,	<u>1992 Ad</u>	ldenda	
6. Identification o	f Components Repair	red or Replaced and F	Replacement	Components			<u></u>
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)
Valve	FlowServe	13BGG	n/a	2PSIBV1026	2006	Replacement	YES
16"xí" Weldolet	N/A	N/A	n/a	4026ANA	2006	Replacement	NO
1" Pipe	N/A	N/A	n/a	503173	2006	Replacement	NO
1" SW Flange	N/A	N/A	n/a	26545-1	2006	Replacement	NO
1" Blind Flange	N/A	N/A	n/a	451VNE	2006	Replacement	NO
Studs - 7/8" dia.	N/A	N/A	n/a	726516	2006	Replacement	NO
Nuts - 7/8"	N/A	N/A	n/a	1Y1	2006	Replacement	NO
7. Description of \	Work: Install New	High Point Vent V	alve per EI	OC 2006-00084	The second second		
8. Test Conducted	d: Hydrostatic	Pneumatic [☐ Nomi	inal Operating Pressure	e 🔲 🔠	Exempt 🖾	Exphilis Fulfill
N	416-2 Other	r Pressure psi	i	Test Ten	nperature	°F	· .
inches, (2) info	ormation in items 1		ort is include	ings may be used pro ed on each sheet, and			

	FORM NIS-2	(Back)		
Remarks: WO# 2865107 installs a ne 00084.	ew 1" vent valve, 2PSIBV102	26 iaw design mod DM# 2	2824546& EDC# 2006-	
e-Pressured Test WO Review – ISI	N/A			
ANII_	N/A			
We certify that the statements made ASME Code, Section XI. Type Code Symbol Stamp			nforms to the rules of the	
Certificate of Authorization No. Signed: Pridap, - Owner or Ov	N/A FSI Englineer wner's Designee, Title	 		
	ooos4. e-Pressured Test WO Review – ISI ANII We certify that the statements made ASME Code, Section XI. Type Code Symbol Stamp Certificate of Authorization No.	Remarks: WO# 2865107 installs a new 1" vent valve, 2PSIBV102 00084. e-Pressured Test WO Review – ISI ANII N/A Certificate of Co We certify that the statements made in the report are correct at ASME Code, Section XI. Type Code Symbol Stamp N/A Certificate of Authorization No. N/A	e-Pressured Test WO Review – ISI ANII Certificate of Compliance We certify that the statements made in the report are correct and this replacement con ASME Code, Section XI. Type Code Symbol Stamp N/A Expiration Date	Remarks: WO# 2865107 installs a new 1" vent valve, 2PSIBV1026 iaw design mod DM# 2824546& EDC# 2006- 00084. e-Pressured Test WO Review – ISI ANII N/A Certificate of Compliance We certify that the statements made in the 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

CERTIFICATE OF INS	ERVICE INSPECTION
I, the undersigned, holding a valid commission issued	
	ployed by HSB CT of Hartford, Connecticut, have
inspected the components described in this Owner's re	
	of my knowledge and belief, the Owner has performed
examinations and taken corrective measures describ	ed 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	
concerning the examinations and corrective measures of	
the Inspector nor his employer shall be liable in any m	
loss of any kind arising from or connected with this ins	pection.
25 Gotwon	Commissions: NB 9685 "N" "I" AZ264
Inspectors Signature	National Board, State, Province, and Endorsements
Date: 10-27-06	

PV216-08NI (8-88) 73DP-9ZZ17 Rev 9

	ASME SECTION X	KI – REPAIR / REPL	ACEMENT	1
			Pag	ge of
1. Component ID 2JRCEPV	<u>'0100F</u>			
2 Item Description: Fisher				
3. N-5 Data Package Number		4. W.O. Number: 2	<u>865950</u>	
5. Original Construction Cod	· · · · · · · · · · · · · · · · · · ·			
6. Original Installation Code				
	ace plug/stem assembly duri			
8. ISI Flaw		NDE Method of Flaw Det	ection: N/A	,
C. Embasion of the quitability		Report Number: N/A		
9. Evaluation of the suitability		•		
	E III pressure boundary. The	e stem needs replacement a	nd the plug/stem assen	nbly is replaced to
reduce radiation dosage.				
10. Repair/Replacement Wor	- · · · · · · · · · · · · · · · · · · ·			
11. Replacement Items Cons				
12. Repair/Replacement Acti	· · · · · · · · · · · · · · · · · · ·	'	dition 1975 Winter Ac	<u>ldenda</u>
13. ASME Section XI Code/	Edition: 1992 Edition and			
14. Preservice Inspection Rec	quired: [☐ YES		
Initial Dogg Date 10)-/7-06 If required.	include a step in the W.O.	to perform Preservice	Inspection
15. ASME Section XI Pressu	•	YES NO	to perform 1 reper view.	mspection.
			C TOY O ABITT I	
Initial Dany Date 11	// - //	include a step in the W.O.	for ISI & ANII inspect	tion.
Initial Dung Date 1	0-17-06 16. Include	a step in the W.O. to verify		n completed by
	the state of the s	NII prior to approving INF		
Initial <u>P45</u> Date 11		a step in the W.O. to recorment items.	d below all applicable	numbers for
Item ID	Part No.		Heat No.	MR/PO/WO No.
		Serial No.		
Valve	N/A	6558897	N/A	N/A
Plug/Stem Ass'y	APN 45160213	AC8403-2	721044	MR 1153528
				Nº 1
18. Planner Signature	Jordest 10-1:	7-26 Printed Name: _	DAVIO M.	GOODIET
(DPa A	D 10/18/	66 Printed Name	R.P. INDA	2 207
19. ISI Signature	Dat		I VI THINA	Log Entry 1 VA
_,	.)	ile .	•	
Dh dat	J		01 400	
20. ANII 24 fortron	10-18-c	Printed Name:	R.G. Houstro	M .

1. Owner: Arizo	na Public Service (Company, et. al.		Date: <u>10/</u>	31/2006		
<u>P. O. 1</u>	Box 53999, Phoeni	x Arizona 85072-20	034	Sheet:	<u>1</u> of <u>2</u>		•
2. Plant: Palo V	Verde Nuclear Gen	erating Station		Unit: <u>2</u>	•		٠
<u>5801 S</u>	South Wintersburg	Road., Tonopah, A	rizona 8535	54-7529 Work Ord	er Numbe	r <u>2865950</u>	
3. Work Performe	ed by: Arizona Public	c Service		Type of Co	ode Stamp	None	
			,	Authorizat	tion No.	<u>N/A</u>	
			:	Expiration	Date N/	<u>'A</u> 💥 -	
4. Identification o	f System: RC: Read	ctor Coolant System					
5. (a) Applicable	Construction Code	ASME Section III NB	3, Class 1	1974 Edition, <u>Summer</u>	1975 Add	lenda, A Co	de Case
(b) Applicable	Edition of Section 2	KI Utilized for Repair	s or Replace	ments: 1992 Edition.	1992 Ac	ldenda	
6. Identification o	f Components Repai	red or Replaced and l	Replacement	Components			
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board	Other Identification	Year Built	Repaired or Replacement	ASME Code
			No.				Stamped (Yes or No)
Valve	Fisher	6558897	N/A ⇔	2JRCEPV0100F	1980	Repaired	YES
Plug/Stem Ass'y	Fisher	AC8402-2	N/A	2JRCEPV0100F	2003	Replacement	YES
			·				
7. Description of V	Work: <u>Disassembl</u>	e valve for stem rep	lacement a	nd valve repack.			
8. Test Conducted	: Hydrostatic	Pneumatic [Nomi	nal Operating Pressure		Exempt 🛛	
<u>N-4</u>	116-2 Other	Pressure psi	-	Test Tem	perature	°F	
			· · · · · · · · · · · · · · · · · · ·				
inches, (2) info	ormation in items 1		rt is include	ngs may be used proed on each sheet, and			

	ORM NIS-2 (Back)	
 Remarks: WO# 2865950 for valve 2JRCEP stem needed replacement but the assembly v 	VO100F. The Plug/Stem Ass'y was replaced during valve repack. On varied to reduce radiation dosage.	ily the
Pre-Pressured Test WO Review – ISI	мА	
ANII	N A	
C	ertificate of Compliance	· .
ASME Code, Section XI.	e report are correct and this replacement conforms to the rules	of the
Type Code Symbol Stamp	N/A	
	N/A Expiration Date: N/A	
Signed: Owner or Owner's N	EN4N Date: 11-1-06	,
Owner of Owner's D	esignee, Thie	
CERTIFICAT	E OF INSERVICE INSPECTION	
	nission issued by the National Board of boiler and Pressure	
	rizona and employed by HSB CT of Hartford, Connecticut is Owner's report during the period of	, have
to 11-1-06, and state th	at to the best of my knowledge and belief, the Owner has perfe	
examinations and taken corrective mea requirements of the ASME Code, Section	sures described in this Owner's Report in accordance with XI.	th the
concerning the examinations and correcti	spector nor his employer makes any warranty, expressed or im ve measures described in this Owner's report. Furthermore, nable in any manner for any personal injury or property damaged with this inspection.	either
24 /+		
Inspectors Signature	Commissions: NB 9685 "N" "I" AZ264 National Board, State, Province, and Endor	sements
Date:		

PV216-08NI (8-88)

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL

5002	63874	NUCLEAR PAR As Required by the Pro	visions of the ASME	Code Section III	•	
7+#1			eed One Day's Produ			
<i>j-1</i> '				Pg.	1 of1	<u>.</u>
19-F50323	I &					
	ed and certified by	FISHER CONTROLS INT'L INC.,				
			(name and address	of NPT Certificate Holder	г)	
Manufactur	ed for	Arizona Public Service Co, PO Box	53940, Phoenix, AZ 8507	2	<u> </u>	
			(name and a	idress of purchaser)		4.
Location of	installation	Palo Verde Nuclear Station, 4 Miles	South of Wintersburg Rd,	Palo Verde, AZ 85343		
			(name	and address)		
Туре	15A1217 Rev. B	SA479 S31603	70 KSI	N/A	2003	
•	(drawing no.)	(mat'l. spec. no.)	(tensile strength)	(CRN)	(year built)
ASME Cod	e, Section III:	1974	Summer 1975	1	N/A	:
		(edition)	(addenda date)	(class)	(Code Case no	o.)
Fabricated i	n accordance with Const. S	Spec. (Div. 2 only) N/A	Revision	N/A	Date N/	Δ .
		(no.)				-
Remarks:	Design: ASME BPI	/C Sec III, 1974 Edition, Summer 19	75 Addenda Class I			
Kullin Ks.		/C See III, 1986 Edition, No Addenda				
				37/4	overall (ft & in.) N	
Nom thick	ness (in) N/A	Min design thickness (in) N/A	\ Dia. ⊞ (ft &in.)	N/A Lenoth		7.▲
		Min. design thickness (in.) N/A Data Reports are attached for each ite		N/A Length	Noverall (It & th.)	// A
Nom. thicks	Part or Appurtenance		em of this report:	t or Appurtenance	Heat Number	·
When applie	Part or Appurtenance Serial Number	Data Reports are attached for each ite	em of this report:			//A
When applie	Part or Appurtenance Serial Number AC8402-1	Data Reports are attached for each ite Heat Number 721044	Par (26)	t or Appurtenance		/A
(1)(2)	Part or Appurtenance Serial Number AC8402-1	Data Reports are attached for each ite	(26) (27) (28)	t or Appurtenance		/A
(1) (2) (3) (4)	Part or Appurtenance Serial Number AC8402-1	Data Reports are attached for each ite Heat Number 721044	(26) (27) (28) (29)	t or Appurtenance		/A
(1) (2) (3) (4) (5)	Part or Appurtenance Serial Number AC8402-1	Data Reports are attached for each ite Heat Number 721044	(26) (27) (28) (29) (30)	t or Appurtenance		/A
(1) (2) (3) (4) (5) (6) (7)	Part or Appurtenance Serial Number AC8402-1 AC8402-2	Data Reports are attached for each ite Heat Number 721044 721044	(26) (27) (28) (29) (30) (31) (32)	t or Appurtenance		/A
(1) (2) (3) (4) (5) (6) (7) (8)	Part or Appurtenance Serial Number AC8402-1 AC8402-2	Data Reports are attached for each ite Heat Number 721044	(26) (27) (28) (29) (30) (31) (32) (33)	t or Appurtenance		/A
(1) (2) (3) (4) (5) (6) (7) (8) (9)	Part or Appurtenance Serial Number AC8402-1 AC8402-2	Data Reports are attached for each ite Heat Number 721044 721044	(26) (27) (28) (29) (30) (31) (32) (33) (34)	t or Appurtenance		/A
(1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11)	Part or Appurtenance Serial Number AC8402-1 AC8402-2	Data Reports are attached for each ite Heat Number 721044 721044	(26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36)	t or Appurtenance		/A
(1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12)	Part or Appurtenance Serial Number AC8402-1 AC8402-2	Data Reports are attached for each ite Heat Number 721044 721044	(26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37)	t or Appurtenance	Heat Number	/A
(1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13)	Part or Appurtenance Serial Number AC8402-1 AC8402-2	Data Reports are attached for each ite Heat Number 721044 721044	(26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38)	t or Appurtenance Serial Number		/A
(1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14)	Part or Appurtenance Serial Number AC8402-1 AC8402-2	Data Reports are attached for each ite Heat Number 721044 721044	(26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39)	t or Appurtenance Serial Number	Heat Number	/A
(1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (16)	Part or Appurtenance Serial Number AC8402-1 AC8402-2	Data Reports are attached for each ite Heat Number 721044 721044	(26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41)	t or Appurtenance Serial Number	Heat Number	/A
(1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (17)	Part or Appurtenance Serial Number AC8402-1 AC8402-2	Data Reports are attached for each ite Heat Number 721044 721044	(26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42)	t or Appurtenance Serial Number	Heat Number	/A
(1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18)	Part or Appurtenance Serial Number AC8402-1 AC8402-2	Data Reports are attached for each ite Heat Number 721044 721044	(26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43)	t or Appurtenance Serial Number	Heat Number	/A
(1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19)	Part or Appurtenance Serial Number AC8402-1 AC8402-2	Data Reports are attached for each ite Heat Number 721044 721044	(26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42)	t or Appurtenance Serial Number	Heat Number	/A
(1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21)	Part or Appurtenance Serial Number AC8402-1 AC8402-2	Data Reports are attached for each ite Heat Number 721044 721044	(26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46)	t or Appurtenance Serial Number	Heat Number	/A
(1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (22)	Part or Appurtenance Serial Number AC8402-1 AC8402-2	Data Reports are attached for each ite Heat Number 721044 721044	(26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46) (47)	t or Appurtenance Serial Number	Heat Number	/A
(1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (22) (23)	Part or Appurtenance Serial Number AC8402-1 AC8402-2	Data Reports are attached for each ite Heat Number ,721044 721044	(26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46) (47) (48)	t or Appurtenance Serial Number	Heat Number	/A
(1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (22) (23) (24)	Part or Appurtenance Serial Number AC8402-1 AC8402-2	Data Reports are attached for each ite Heat Number ,721044 721044	(26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46) (47) (48) (49)	t or Appurtenance Serial Number	Heat Number	/A
	Part or Appurtenance Serial Number AC8402-1 AC8402-2	Data Reports are attached for each ite Heat Number ,721044 721044	(26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46) (47) (48)	t or Appurtenance Serial Number	Heat Number	/A

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

				Mfr. Serial No. AC	C8402-1, -2
	CERTIFICA	TION OF DESIGN			
sign specifications certified by	T. L. Kettles	P.E. State NY	Reg. no.	PE02972	9
Design report* certified by N/A	(when applicable)	P.E. State N/A	Pag = 0	27/4	
Design report certified by NA	(when applicable)	F.E. State N/A	Reg. no.	N/A	
	CERTIFICATE O	F SHOP COMPLIANCE			
We certify that the statements made in conforms to the rules of construction of	this report are correct and that this (these) the ASME Code, Section III.	Plug/Stem Assy			
NPT Certificate of Authorization No.	1930	Expires	11	-11-2004)	
Date 9-18-03 Name FI	SHER CONTROLS INT'L INC	·	Signed	Lerda W	ud
	(NPT Certificate Holder)			(authorized rep	resentative)
	CERTIFICATE C	F SHOP INSPECTION			
I, the undersigned, holding a valid come and employed by Hartford Steam	mission issued by the National Board of Bo	iler and Pressure Vessel In	spectors and the state of	or Province of	lowa
of Hartford, CT best of my knowledge and belief, the C	have inspected these items described in this ertificate Holder has fabricated these parts of		9-18-0 ince with the ASME C		state that to the part listed has
been authorized for stamping on the dat By signing this certificate, neither the in Furthermore, neither the inspector nor have the inspector nor have	te shown above. Inspector nor his employer makes any warra I is employer shall be liable in any manner f	nty, expressed or implied, or or any personal injury or pr	oncerning the equipm operty damage or loss	ent described in this Da of any kind arising from	ita Report. m or connected

with this inspection.

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

ASME SECTION XI – REPAIR / REPLACEMENT Page 1. Component ID 2JRCBHV0109 . Item Description: PRESSURIZER VENT TO RDT 4. W.O. Number: 2872491 N-5 Data Package Number: 2RC03-2 5. Original Construction Code Edition: 1977 Edition, Winter 1978 Addenda 6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda 7. Work Description: REWORK VALVE INTERNALS TO ELIMINATE SEAT LEAKAGE 8. ISI Flaw NDE Method of Flaw Detection: Report Number: 9. Evaluation of the suitability of this work as per the requirements of IWA - 4150: NO PRESSURE BOUNDARY FAILURE 10. Repair/Replacement Work Organization: Arizona Public Service 11. Replacement Items Construction or reconciled Code/Edition: SEC.III CL.1 1989 Edition No Addenda 12. Repair/Replacement Activity Construction Code/Edition: Sec. III Cl 1, 1974 Edition 1975 Winter Addenda 13. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda ⊠ NO 14. Preservice Inspection Required: ☐ YES Initial 480 Date 2/28/06 If required, include a step in the W.O. to perform Preservice Inspection 15. ASME Section XI Pressure Test Required: ☐ YES ⋈ NO nitial SEO Date 2/28/06 If required, include a step in the W.O. for ISI & ANII Inspection. 16. Include a step in the W.O. to complete NIS-2 Form prior to releasing the Initial <u>LEO</u> Date <u>2/28/06</u> component. Initial 40 Date 2/28/06 17. Include a step in the W.O. to record below all applicable numbers for repaired or replacement items. Item ID Serial No. Part No. Heat No. MR/PO/WO No. MR 0107 1196 W 0 287 2491 5/N 370 disc 00055319 asm Jenuale 7/28/06 Printed Name: G. OSMUNDSON 3/8/06 Printed Name: R.P.INDAP Log Entry RP2 Printed Name: _ R.G. Hoastron 3-8-06

73DP-97Z17 R

/216-08NI (8-88)

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 11/01/06 P.O. Box 53999, Phoenix, Arizona 85072-2034 Sheet 1 of ___ 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 Arizona Public Service N/A Authorization No. 5801 S. Wintersburg Rd., Tonopah, Az 85354-7529 Expiration Date Safety Injection 4. Identification of System 5. (a) Applicable Construction Code ASME Section III 1974 Edition, W75 Addenda, N/A Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 92 Edition, 92 Addenda 6. Identification of Components Repaired or Replaced and Replacement Components Repaired ASME Code Name of Manufacturer National Other Year Name of Stamped Item Manufacturer Serial No. Board No. Identification Built Replacement (Yes or No) Target Rock Valve NA 2JRCBHV109 1982 Repaired Yes NA NA 1982 Replaced Yes Disc - removed Target Rock NA 370 NA NA 2005 Replacement Yes Disc - installed Target Rock 7. Description of Work Replaced the disc. {* note remarks on Page 2} Nominal Operating Pressure Exempt Pneumatic N-416-1 8. Test Conducted: Hydrostatic Other 🗍 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.

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Remarks	Work Order 287249	I was utilized to replace the dis	c with a new one.	<u> </u>
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		CERTIFICATE OF COM	IPLIANCE	
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Certificat	e of Authorization No.	N/A	Expiration Date	N/A
olgrica_		Owner or Owner's Designee, Title	Date 17	
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	CEF	RTIFICATE OF INSERVIC	E INSPECTION	
	ersigned, holding a va	alid commission issued by the N	National Board of Boiler and F	Pressure Vessel
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PV-E0092 Ver. 7 BACK 73DP-9ZZ17

Page of 1. Component ID 2JRCBHV0108 1. Item Description: PRESSURIZER VENT VALVE TO RDT 3. N-5 Data Package Number: 2RC03-2 4. W.O. Number: 2872494 5. Original Construction Code Edition: 1977 Edition, Winter 1978 Addenda 6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda 7. Work Description: REWORK VALVE INTERNALS TO ELIMINATE SEAT LEAKAGE 8. ISI Flaw NDE Method of Flaw Detection: Report Number: 9. Evaluation of the suitability of this work as per the requirements of IWA - 4150: NO PRESSURE BOUNDARY FAILURE 10. Repair/Replacement Work Organization: Arizona Public Service 11. Replacement Items Construction or reconciled Code/Edition: SEC.III CL.1 1989 Edition No Addenda 12. Repair/Replacement Activity Construction Code/Edition: -Sec. III Cl 1, 1974 Edition 1975 Winter Addenda 13. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 14. Preservice Inspection Required: ☐ YES ⊠ NO Initial 450 Date 2/28/06 If required, include a step in the W.O. to perform Preservice Inspection 15. ASME Section XI Pressure Test Required: If required, include a step in the W.O. for ISI & ANII Inspection. 16. Include a step in the W.O. to complete NIS-2 Form prior to releasing the 17. Include a step in the W.O. to record below all applicable numbers for repaired or Initial <u>SEO</u> Date <u>2/28/06</u> replacement items. Heat No. Item ID Part No. Serial No. MR/PO/WO No. SN 10932 25:0 asm 00055319 Demenden 3/28/06 Printed Name: 6. OSMUNDSON 3/7/06 Printed Name: R.P. INDAP Log Entry RPP Printed Name: 2 6. Houstro 3-8-06 ANII

ASME SECTION XI – REPAIR / REPLACEMENT

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 11/01/06 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 3. Work Performed by Arizona Public Service Type Code Symbol Stamp None N/A Authorization No. N/A 5801 S. Wintersburg Rd., Tonopah, Az 85354-7529 Expiration Date Safety Injection 4. Identification of System 5. (a) Applicable Construction Code ASME Section III 1974 Edition, W75 Addenda, N/A Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 92 Edition, 92 Addenda 6. Identification of Components Repaired or Replaced and Replacement Components Repaired **ASME Code** Year Name of Manufacturer National Other Name of Stamped Manufacturer Serial No. Board No. Identification Built Item Replacement (Yes or No) Valve 2JRCBHV108 1982 Repaired Target Rock 2. NA Yes 1982 Replaced Disc - removed Target Rock NA NA NA Yes . 3 NA HT P0932 2005 Replacement Yes Disc - installed Target Rock 7. Description of Work Replaced the disc. {* note remarks on Page 2} 8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt 🗸 N-416-1 Test Temp. Pressure 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.

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PV-E0092 Ver. 7 BACK 73DP-9ZZ

	ASME SECTION X	II – REPAIR / REPI	LACEMENT	
			Pag	ge of
1. Component ID 2CH034H	00A			
2 Item Description: Weld b	etween item 70 and support		•	
3. N-5 Data Package Number	: <u>2CH14-2</u>	4. W.O. Number:	<u>2883359</u>	
5. Original Construction Cod	e Edition: 1974 Edition, V	Vinter 1975 Addenda		
6. Original Installation Code	Edition: 1974 Edition, Wi	nter 1975 Addenda		Abildup of
7. Work Description: 1) Remo	ove weld between item 70 a	nd support to allow pipe f	ree movement. 2) Well	70 11
7. Work Description: § Remains 18. ☐ ISI Flaw		NDE Method of Flaw D	etection: n/a	RPR 10/17/06
9. Evaluation of the suitabilit		Report Function 124		· · · · · · · · · · · · · · · · · · ·
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flow orifice.	E III W boundary. Weed to	remove weld at support to	o nee up pipe to allow s	preading of tranges at
now offfice.				
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10. Repair/Replacement Wor	k Organization Arizona P	hiblio Carvica		
11. Replacement Items Const	.		1 1974 Edition Winter	1975 Addenda
12. Repair/Replacement Acti		*		
13. ASME Section XI Code/I				
14. Preservice Inspection Rec	quired:	☐ YES 🛛 NO		,
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15. ASME Section XI Pressur	_	T YES ⊠ NO		op oo u o u
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Initial PMG Date 9	17. Include replacement	a step in the W.O. to reco	ord below all applicable	numbers for repaired or
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		Serial No.	Heat No.	
2CH034H00A	N/A	N/A	N/A	N/A
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18. Planner Signature	9-21-2 Da		DAVID M.	ZOODLET
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19. ISI 18100	9/01/06	Printed Name:	R.P. IND AF	Log Entry W
Signature /	U Da		,	
20. ANII 25 Agrance	4-26-0	Printed Name:	R.G. HOGSTRO	H (1)
Signature	Da	te		
PV216-08NI (8-88)				73DP-9ZZ17 Rev 9

1. Owner <u>Arizona</u>	Public Service Co	mpany, et. al.		Date		10/30/06	
P.O. Box	x 53999, Phoenix,	Arizona 85072 Address	2-2034	Sheet	1	of	2
2. Plant Palo Ver	de Nuclear Genera			Unit		2	
	Wintersburg Rd., 7	lame	ona 85354-			2883359 Work Order Number	
3. Work Performed b	y Arizona Public	Service Jame		Type (Code Syr	mbol Stamp	· .
				Author	ization N	lo. <u>N</u>	<u>/A</u>
5801 S.	Wintersburg Rd.,	Fonopah, Az 8	5354-7529	Expira	tion Date	. N/	<u>A</u>
4. Identification of Sy							/
5. (a) Applicable Co	nstruction Code ASM	/IE Section III	19 74	Edition, <u>W75</u>	Adde	enda, <u>N/A</u>	Code Case
(b) Applicable Edi	ition of Section XI Utiliz	zed for Repairs or	r Replacemer	nts 19 <u>92</u> E	dition,	92 Adder	nda
6. Identification of Co	omponents Repaired o	r Replaced and R	leplacement (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)
Support Component	NA	NA	NA	2CH034H00.		Repaired	No
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7. Description of Wor	k {note remarks o	n Page 2}					
8. Test Conducted:	Hydrostatic P	neumatic 🔲	Nominal Ope	erating Pressu	е	Exempt 🗹	N-416-1 🔲
•	Other	Pressure	psi		Test T	emp	_°F
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FORM NIS-2 (Back)

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Certifica	ate of Authoriza	tion No.	N/A		Expirati	on Date	N/A
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Dehouri	n accordance w	nur une requirer	nents of the A	SIVIE Code, Se	CUOII XI.	ing.	
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PV-E0092 Ver. 7 BACK 73DP-9ZZ

	ASME SECTION	XI – REPAIR / REI		ge of
1. Component ID 2MEWB	F01			50 V\
2 Item Description: ESSE		R HEAT EXCHANGER		
3. N-5 Data Package Number		4. W.O. Number	: <u>2886144</u>	
5. Original Construction Co	de Edition: 1974 Edition,	Winter 1975 Addenda		
6. Original Installation Cod	e Edition: 1974 Edition, V	Vinter 1975 Addenda		
7. Work Description: Per				ers of the Essential
8. ISI Flaw	oling Water (EW) Heat exch	NDE Method of Flaw l		· ·
0 13111aw		Report Number:	octorion.	
9. Evaluation of the suitabil	ity of this work as per the re	•	0:	
Engineering inspection of	determined weld repairs req	uired prior to re-coating.	There was no failure of t	he pressure boundary.
				4.
10. Repair/Replacement Wo	ork Organization: Arizona	Public Service	· · · · · · · · · · · · · · · · · · ·	
11. Replacement Items Con	struction or reconciled Code	e/Edition: Sec. III Cl 3,	1974 Edition 1975 Winte	er Addenda
12. Repair/Replacement Ac	tivity Construction Code/Ed	lition: Sec. III Cl 3, 197	4 Edition 1975 Winter A	<u>ddenda</u>
13. ASME Section XI Code	/Edition: 1992 Edition at	nd 1992 Addenda		
14. Preservice Inspection Re	equired:	☐ YES ⊠ No	0	
Initial NA Date	If required	l, include a step in the W.	O. to perform Preservice	Inspection
15. ASME Section XI Press	· · · · · · · · · · · · · · · · · · ·	⊠ YES □ N	_	
1.		I, include a step in the W.	<i>:</i>	tion.
Initial Date				
Initial Date &	18/06 ISI &	le a step in the W.O. to ve ANII prior to approving l		ii completed by
11.1	16. Include ISI & 17. Include replace replace	le a step in the W.O. to re	cord below all applicable	numbers for
Initial Date Z	0/8/06 replace	ement items.	cord octow air application	numbers for
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
2MEWBE01	N/A	N/A	N/A	N/A
	:			

		<u> </u>		
18. Planner	1 me 10/	8/06 Printed Name	HERBERT L	.GREEN
Signature	1	Date		
19. ISI Land Solu	10/8	Printed Name	E FRED POTEET	Log Entry #
Silver in the same of		Date - 2 NO - 977/7		
20 ANII SILLANDO U	1.0. DER APP. A	1) 1) 1) 1 - 1 - 1 - 1	program 10/0/0	6
20. ANII Signature	are to lear R. Hogstan	Date	E /COBERLI PAO SSA	ROP1

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, et. al.</u> Date <u>10/14/06</u> 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 3. Work Performed by Arizona Public Service Type Code Symbol Stamp N/A Authorization No. 5801 S. Wintersburg Rd., Tonopah, AZ 85354 Expiration Date N/A Spray Pond & 2MEWBE01 4. Identification of System 5. (a) Applicable Construction Code ASME Section III 19 74 Edition, W 75 Addenda, NA Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 92 Edition, 92 Addenda 6. Identification of Components Repaired or Replaced and Replacement Components Repaired ASME Code Name of Manufacturer National Other Year Name of Stamped Board No. Identification Item Manufacturer Serial No. Built Replacement (Yes or No) SP/EW 17606329142 2MEWBE01 Struther Wells Corp 14533 Repaired Yes 7. Description of Work See remarks on sheet 2. Nominal Operating Pressure 8. Test Conducted: Hydrostatic Pneumatic [N-416-2 Pressure Test Temp. Other I NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (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.

73DP-9ZZ17

Remarks The				2886144
_ihe	work included per	forming hase material weld	repairs on the Channel Heads	
				
 -				
·		· · · · · · · · · · · · · · · · · · ·		
·	· · · · · · · · · · · · · · · · · · ·			· ·
Pre-Pressure Test F	Review: ISI NA	ANII NA		
		CERTIFICATE OF CO	MPLIANCE	
1 .	at the statements ma Code, Section XI.	ade in the report are correc	t and this repair confo	rms to the rules
Type Code S	ymbol Stamp	N/A		
Certificate of	Authorization No.	N/A	Expiration Date	N/A
Signed	TIBL	1-	Date /0	-14-06
		wher or Owner's Designee, Title		
·				
	CERT	IFICATE OF INSERVI	CE INSPECTION	
!	———		CE INSPECTION	
	gned, holding a valid		National Board of Boiler and P	ressure Vessel
Inspectors an	gned, holding a valid d the State or Provi	d commission issued by the nce of <u>المدردميم</u> and em	National Board of Boiler and P	
Inspectors and of <u>Hartford</u> the period	gned, holding a valid d the State or Provi d, Connecticut, to - % - oc, to	d commission issued by the nce of <u>Aدرکومه</u> and em have inspected the compo	e National Board of Boiler and Paployed by HSBCT onents described in this Owner's and state that to the best of my F	Report during knowledge and
Inspectors and of <u>Hartford</u> the periodbelief, the Ow	gned, holding a valid d the State or Provi d. Connecticut , 10-3-06 to ner has performed of	d commission issued by the nce of Actions and em have inspected the compo	e National Board of Boiler and Poployed by HSB CT enents described in this Owner's and state that to the best of my by the state measures described in	Report during
Inspectors and of <u>Hartford</u> the period belief, the Ow	gned, holding a valid d the State or Provi d. Connecticut , 10-3-06 to ner has performed of	d commission issued by the nce of <u>Aعرومه</u> and em have inspected the compo	e National Board of Boiler and Poployed by HSB CT enents described in this Owner's and state that to the best of my by the state measures described in	Report during knowledge and
Inspectors and of <u>Hartford</u> the periodbelief, the Ow	gned, holding a valid d the State or Provi d. Connecticut , 10-3-06 to ner has performed of	d commission issued by the nce of Actions and em have inspected the compo	e National Board of Boiler and Poployed by HSB CT enents described in this Owner's and state that to the best of my by the state measures described in	Report during
Inspectors and of <u>Hartford</u> the period belief, the Ow Report in acco	gned, holding a valid d the State or Provind. Connecticut, to to to to the has performed of the produce with the reconstruction.	d commission issued by the nce of Acrond and em have inspected the composition of the ASME Conquirements of the ASME Control o	e National Board of Boiler and Poployed by HSB CT enents described in this Owner's and state that to the best of my by the state measures described in	Report during knowledge and this Owner's
Inspectors and of <u>Hartford</u> the period belief, the Ow Report in accordance.	gned, holding a valid d the State or Provi d. Connecticut , to -% - oc to ner has performed or produce with the reconstructions	d commission issued by the nce of Actions and employed have inspected the composition, a examinations and taken conquirements of the ASME Control of the Inspector nor his employed	e National Board of Boiler and Paployed by HSB CT nents described in this Owner's and state that to the best of my brective measures described in ode, Section XI.	Report during knowledge and this Owner's essed or implied
Inspectors and of <u>Hartford</u> the period belief, the Ow Report in accordance. By signing this concerning the	gned, holding a valid of the State or Provided, Connecticut to the second of the second or dance with the received and the second of the secon	d commission issued by the nce of Actions and employed the composite of the ASME Control of the Inspector nor his employed the Inspector measures described the corrective measures described the Inspector measurement of the Inspector measurement of the Inspector measurement of the Inspector measurement of the Inspector measurement of the Inspector measurement of the Inspector measurement of the Inspector measurement of the Inspector measurement of the Inspector measurement of the Inspector measurement of the Inspector measurement of the Inspector measurement of the Inspector measurement o	e National Board of Boiler and Paployed by HSB CT enents described in this Owner's and state that to the best of my Parective measures described in ode, Section XI.	Report during knowledge and this Owner's essed or implied urthermore,
Inspectors and of <u>Hartford</u> the period belief, the Ow Report in accordance. By signing this concerning the neither the Inspectors	gned, holding a valid the State or Proving d. Connecticut , to ner has performed to ordance with the received examinations and spector nor his employed	d commission issued by the nce of Actions and employed the composite of the ASME Control of the Inspector nor his employed the Inspector measures described the corrective measures described the Inspector measurement of the Inspector measurement of the Inspector measurement of the Inspector measurement of the Inspector measurement of the Inspector measurement of the Inspector measurement of the Inspector measurement of the Inspector measurement of the Inspector measurement of the Inspector measurement of the Inspector measurement of the Inspector measurement of the Inspector measurement o	e National Board of Boiler and Paployed by HSB CT sheets described in this Owner's and state that to the best of my breective measures described in ode, Section XI. Experimentally, expressible of this Owner's Report. Furnanner for any personal injury of the property of the section of the s	Report during knowledge and this Owner's essed or implied urthermore,
Inspectors and of <u>Hartford</u> the period belief, the Ow Report in accordance. By signing this concerning the neither the Inspectors	gned, holding a valid the State or Proving d. Connecticut , to ner has performed to ordance with the received examinations and spector nor his employed	d commission issued by the nce of Acrona and em have inspected the composition of the ASME Contractive measures describly and contractive measures describly and contractive measures describly and contractive measures describly and contractive measures describly and contractive measures describly and contractive measures describly and contractive measures describly and contractive measures described	e National Board of Boiler and Paployed by HSB CT sheets described in this Owner's and state that to the best of my breective measures described in ode, Section XI. Experimentally, expressible of this Owner's Report. Furnanner for any personal injury of the property of the section of the s	Report during knowledge and this Owner's essed or implied urthermore,
Inspectors and of <u>Hartford</u> the period belief, the Ow Report in accordance. By signing this concerning the neither the Inspectors	gned, holding a valid the State or Proving d. Connecticut , to ner has performed to ordance with the received examinations and spector nor his employed	d commission issued by the nce of Acrona and em have inspected the composition of the ASME Contractive measures describly and contractive measures describly and contractive measures describly and contractive measures describly and contractive measures describly and contractive measures describly and contractive measures describly and contractive measures describly and contractive measures described	e National Board of Boiler and Proployed by HSB CT property of the Board of Boiler and Proployed by HSB CT property of the Board of Board of the Boa	Report during knowledge and this Owner's essed or implied urthermore, or property
Inspectors and of <u>Hartford</u> the period belief, the Ow Report in accordance. By signing this concerning the neither the Inspectors	gned, holding a valid the State or Proving d. Connecticut , to ner has performed to ordance with the received examinations and spector nor his employed	d commission issued by the nce of Acrona and em have inspected the composite and taken conquirements of the ASME Courtective measures describly examinations and taken conficulties and	e National Board of Boiler and Proployed by HSB CT pronents described in this Owner's and state that to the best of my harrective measures described in ode, Section XI. Experimentally, expressible of this Owner's Report. Furnanner for any personal injury of this inspection.	Report during knowledge and this Owner's essed or implied urthermore, or property

	ASME SECTION X	KI – REPAIR / REPL	ACEMENT	
			Pag	ge \ of \
1. Component ID 2MEWA	<u>E01</u>			
2 Item Description: Essen	tial Cooling Water Heat Excl	hanger "A"		
3. N-5 Data Package Number	er: <u>2EW01-1</u>	4. W.O. Number: 2	900130	
5. Original Construction Co	de Edition: 1974 Edition, V	Winter 1975 Addenda		•
6. Original Installation Cod	e Edition: 1974 Edition, W	inter 1975 Addenda		
	place some channel head cove		•	
8. ISI Flaw		NDE Method of Flaw Det Report Number:	ection:	
9. Evaluation of the suitabil	ity of this work as per the req	quirements of IWA - 4150:		•
As a part of routine main	ntenance, corroded studs are	being replaced.		
				eri Kul
				95. V
10. Repair/Replacement Wo	ork Organization: Arizona I	Public Service		
11. Replacement Items Con			4 Edition 1975 Winte	er Áddenda
12. Repair/Replacement Ac	tivity Construction Code/Edi	tion: Sec. III Cl 3, 1974 E	dition 1975 Winter A	<u>ddenda</u>
13. ASME Section XI Code	/Edition: 1992 Edition and	d 1992 Addenda		
14. Preservice Inspection Re	equired:	☐ YES		
Initial Date 1	19/06 If required,	include a step in the W.O.	to perform Preservice	Inspection
15. ASME Section XI Press	ure Test Required:	☐ YES		
Initial MII Data	If required,	include a step in the W.O.	for ISI & ANII Inspec	etion.
Initial Date	16 Include	e a step in the W.O. to comp	olete NIS-2 Form prio	r to releasing the
Initial Date _	0/19/06 component.		neie 1415-2 i orini prio	to releasing the
1	17 Include	e a step in the W.O. to recor	d below all applicable	numbers for renaized or
Initial Date	10/19/06 replacemen		a colo w un applicable	numbers for reputied of
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
Channel head stud for 2MEWAE01	APN 43110016	N/A	Z 345	MR //54921
	· .			
			-	
18. Planner John U	Calhum 10/19	Printed Name: J	ohn Waltman	
Signature	Da	nte		
19. ISI PPMOO	10/10	Printed Name:	R.P. Inda	P Log Entry RPP
Signature	Da		· · · · · ·	
20. ANII 25 Fortime		9-06 Printed Name:	RC HOUSTROP	.
Signature	Da	ite	· •	

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

As Required by the Provisions of the ASME Code Section XI

							
1. Owner: Arizon	ona Public Service C	Company, et. al.		Date:	: 10/19/200)6	
<u>P. O. I</u>	Box 53999, Phoenix	x Arizona 85072-	<u>-2034</u>	Sheet	t: <u>1</u> of	2	
2. Plant: Palo V	Verde Nuclear Gene	erating Station		Unit:	2		
<u>5801 §</u>	South Wintersburg	Road., Tonopah,	Arizona 8535	<u>54-7529</u> Worl	κ Order Nun	mber 2900130	
3. Work Performe	ed by: Arizona Public	<u>c Service</u>		Type	of Code St	amp <u>None</u>	
5801 South Wi	intersburg Road, Tone	opah, Arizona 853	<u>54-7529</u>	Auth	orization No	o. <u>N/A</u>	
• • • • • • • • • • • • • • • • • • •				Expi	ration Date	<u>N/A</u>	
4. Identification c	of System: Essential	Cooling Water (E'	W)				
	Construction Code A			1974 Edition, <u>Wi</u>	nter 1975 A	.ddenda, _AA Co	ode Case
	- Edition of Section X				* *		
	of Components Repair						
Name of	Name of	Manufacturer	National	Other	Year	Repaired or	ASME
Item	Manufacture	Serial No.	Board No.	Identification	Built	Replacement	Code Stamped
*							(Yes or NO)
Channel head cover studs	N/A	N/A	N/A	Ht# Z 345	2006	Replacement	No
EW Ht Exch	Struther Wells Corporation	17606329142	14533	2MEWAE01	1979	Repaired	Yes
						uni.	
						M ₁	
			· · · · · · · · · · · · · · · · · · ·				
							:
	Work: During performer studs were needed.		<u>i.</u>	n channel head c			of the 416-1 □
		ure psi	110		D B1	1 -30-06	
						· · · · · · · · · · · · · · · · · · ·	
inches, (2) info	emental sheets in foormation in items 1 r of sheets is record	l thru 6 on this rep	port is include	ed on each sheet			

	FORM NIS-2 (Back)
9.	Remarks: Work Work Order 2900130. To replace corroded studs on the Essential Cooling Water Heat
	Exchanger.
Pr	e- Pressure Test Review: ISI:
	Certificate of Compliance
	We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.
	Type Code Symbol StampN/A
	Certificate of Authorization NoN/A Expiration Date:N/A
	Signed:
	Owner or Owner's Designee, Title
. 1	
	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>HSB CT</u> of <u>Hartford, Connecticut</u> , have
ı	inspected the components described in this Owner's report during the period of
I	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: NB 9685 "N" "I" AZ264 National Board, State, Province, and Endorsements

	ASME SECTION	XI – REPAIR / REPI	LACEMENT	
			Pa	ge of
1. Component ID BS-08604	08623	Į.	290	•
2 Item Description: Main S	Steam Safety Valve; Dresse	er - 6" 3707RAX-RT-25 1	315 psig	
3. N-5 Data Package Number	:: <u>n/a`</u>	4. W.O. Number:	2901738	
5. Original Construction Cod	le Edition: 1974 Edition,	Summer 1975 Addenda	,	
6. Original Installation Code				
<u> </u>		ing of spare valve. Code par		er spare valves or from
8. ☐ ISI Flaw	oved purchased spare parts	s based upon inspection resu NDE Method of Flaw De		
o. ☐ 151 Fiaw	_	Report Number: n/a	stection. Wa	
9. Evaluation of the suitabili	ty of this work as per the re	•		
	•	be replaced with preoxidiz		STM R627 Income! V
-				31 W DOS/ Incohel X-
/50 material to enhance	performance. Other parts w	vill be replaced on a as need	ed basis.	
			•	•
10. Repair/Replacement Wo			274 7:11:1 0 10	075 A.1.1. 1.
11. Replacement Items Cons		•••		
12. Repair/Replacement Act13. ASME Section XI Code/		nd 1992 Addenda	Edition 1975 Willer A	ddenda
	-			·
14. Preservice Inspection Re	quirea:	☐ YES ☒ NO		
Initial Ruff Date &	-27-04 If required	d, include a step in the W.O	. to perform Preservice	Inspection
15. ASME Section XI Pressu		☐ YES 🖾 NO)	
		d, include a step in the W.O	for ISI & ANII Inspec	ction.
Initial Date	· · · · · · · · · · · · · · · · · · ·	<u>-</u>		
Initial Date 6	componer	de a step in the W.O. to con	iplete NIS-2 Form prio	r to releasing the
2	17 1			
Initial Date Date Date	6-27-06 replaceme	de a step in the W.O. to reco	ord below all applicable	numbers for repaired or
<u>-</u>		· •	YY 4 NT -	T MD/DOMEON -
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
Disc	APN 00064290	ADG 60	N/A	MR 1113901
			,	
		·		·
			<u> </u>	
				-
				· · · · · · · · · · · · · · · · · · ·
D. De	1 Della	17 01	Davis En	
18. Planner Signature		27-06 Printed Name:	DAVID GEO	
	2-0	20/06		
19. ISI TO TO SE	GU 6/0	X9/06 Printed Name:	KY INDAF	Log Entry RPZ
Signature /	\bigcup	·		
20. ANII tytone	د	-29-06 Printed Name:	RG HOCESTRON	ฑ
Signature		Date Timed Name.		

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

As Required by the Provisions of the ASME Code Section XI

					-			i
1. Owner: <u>Arizo</u>	na Public Service (Company, et. al.			Date: 9/2	2/2006		,
<u>P. O. I</u>	Box 53999, Phoeni	x Arizona 85072-20	<u>)34</u>		Sheet:	<u>1</u> of <u>2</u>		
2. Plant: Palo V	erde Nuclear Gene	erating Station			Unit: <u>2</u>			
5801 S	South Wintersburg	Road., Tonopah, A	rizona 8535	4-7529	Work Ord	er Numbei	<u>2901738</u>	
3. Work Performe	d by: NWS Technol	ogies		-	Type of C	ode Stamp	None	
					Authoriza	tion No.	N/A	
					Expiration	Date <u>N/</u>	<u>A</u>	
4. Identification of	f System: <u>CH: Che</u>	mical and Volumn Co	ontrol System	<u>a</u>			•	
5. (a) Applicable	Construction Code A	ASME Section III NC	, Class 2	1974 Editio	on, <u>Summer</u>	<u>1975</u> Add	enda, Co	de Case
(b) Applicable	Edition of Section X	I Utilized for Repairs	s or Replace	ments: <u>19</u>	92 Edition.	1992 Ad	ldenda	
6. Identification of	f Components Repai	red or Replaced and I	Replacement	Componer	nts			
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.		ther fication	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)
Disc	Dresser	ADG60	N/A	BS-0862	3	2001	Replacement	NO
							. ,	
	·		,	· .				
	,			-				
			-					
7. Description of V	Work: Overhaul ar	nd test spare Main S	Steam Safet	y Valve.				
8. Test Conducted	: Hydrostatic	Pneumatic [Nomi	inal Operat	ing Pressure	e 🔲 🗆	Exempt 🛛	
· N-4	416-2 Other	Pressure <u>n/a</u> psi		•	Test Ten	nperature	<u>n/a</u> °F	
							•	
inches, (2) info	ormation in items 1	form of lists, sketched thru 6 on this repo	rt is include					

FORM NIS-2 (Back)
9. Remarks: Work order #2901738 for off-site disassembly, reconditioning and testing of a spare Main Steam Safety Valve; s/n BS-08623. The new type (material) disc was installed.
Pre-Pressured Test WO Review – ISI
ANII
Certificate of Compliance
We certify that the statements made in the 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: Product ISI Engineer Date: 10-3-2006 wher 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 HSB CT of Hartford, Connecticut, have inspected the components described in this Owner's report during the period of
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" "I" AZ264 National Board, State, Province, and Endorsements
Date: 10-4-06

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

Pg. 1 of

As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

	(name and a	ocress of NP (eminicate Holder		
anufactured for Arizona Public Service Company P.O. I	Box 53940	Phoenix, An	zona 85072-	3940	
ocation of installation Arizona Public Service Co Palo V				sburg Rd Ton	onah Arizona 85°
· · · · · · · · · · · · · · · · · · ·		(name and :	address)		Opan, Anzona os.
rpe OS414 SB637 (Inconel X-750)		<u>/</u>	VA strength)	N/A	
(drawing no.) (mat1 spec. no.) SME Code Section III, Division 1: 1974	Fee e	rensie 1975 mmer		(CRN) (yearbu N/A
(edition)		iddenda date)		(dass)	(Code Case r
ibricated in accordance with Const. Spec. (Div. 2 only)		WA Tho I	Revision	N/A_	DateN/A
emarks: Serial Numbers Are Used In Lieu Of NPT Star	*	no)			
artialità. Oction realità del Oscalin Clea Of Al Foldi		و الديس		راشار چير فاتسان الاماء	ر. در فروز روز در در در در می از موسی را موسی
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Scilcable, Certificate Holders' Data Reports are attac					an (it or ii.)
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Part or Appenance National		Part Part	or Appurtena	nce	National
Board No.		S	erial Number		BOSID NO.
in Numerical Order	- And - Coppedign	Maria 47-10-10-10-10-10-10-10-10-10-10-10-10-10-	ant become:	/\	Numerical Order
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2) ADG61	~ 1.34		and the second		And the second
3) ADG62	28				english om med at them
4) ADG64	29				
5) ADG85	(30				
6)	(31)		a .	
7)	(32	·			
8)	(33		<u> </u>		
9)	(34				
0)	(35				
1)	(36				
3)	(38				······································
4)	(39				
5)	(40		 		
B)	(41)			
7)	(42)			
8)	(43				
9)	(44		·····		
0)	(45				
1)	(46				
2)	(47				
4)	(48)				
5)	(50				
		·			
					
			. Test pressu		

	Certificate Holder's Ser	rial Nos. ADG	50,61,62,64 th	rough AD
	CERTIFICATION OF	DESIGN	·/)	
		D 5 04-4-	"	
Design specifications certified by	N/A (when applicable)	P.E. State	N/A Reg. No.	. N/A
Design report* certified by	N/A	P.E. State	NA Reg. No.	NI/A
	(when applicable)		neg. No.	N/A
	CERTIFICATE OF COM	PLIANCE	2817	
Ve certify that the statements made in thi	s report are correct and that this (These) Disc		
onforms to the rules of construction of the		*		· · · · · · · · · · · · · · · · · · ·
IDT Conditions of Built-advanture No.	N 0404			÷
PT Certificate of Authorization No.	N-2434	Expires	5/20/2004	
ate 8-6-01 Name	SEE LINE 1	Signed 1/7	Bourn	
	(NPT Certificate Holder)		(authorized representative.)	
t ength overall (11 Sirc) N	A STATE OF A	ni, usproullingisch	Meen (m) Link	1
	The second secon			
	- CERTIFICATE OF INS	PECTION		
the undersigned, holding a valid commis	sion issued by the National Board of Ba	lor and Draneuro Vaccal in	Part of Age Parance	.
LOUISIANA and emp		iei aliu riessile vessei ii	isheria's was the sign of	Province
HARTFORD, CT. have ins	pected these items described in this Dat		la (and state	that to the
est of my knowledge and beligh, the Certif				
Division 1. Each part listed was been au	thorized for stamping on the date show	above.		ie, occioni
signing this certificate, neither the inspe	ctor nor his employer makes any warran	ity, expressed or implied.	concerning the equipment	described
this Data Report. Furthermore, neither th	e inspector nor his employer shall be ila	ble in any manner for any	personal injury or proper	v damage
loss of any kind arising from or connecte	d with this inspection.	was a second and the second of the second		J
A STATE OF THE PARTY OF THE PAR			•	
ate 86/01 Signed	Communication (Communication)	nissions	indorsements) and state or pr	Cef

		ASME SECTION X	II – REPAIR / REPL	ACEMENT	
	<u> </u>			Pag	e of
74.3	1. Component ID 2PSIAV52	2			
	2 Item Description: <u>A HPS</u>	Injection to Loop 1 Check	<u>Valve</u>		
	3. N-5 Data Package Number:		4. W.O. Number:	<u>2909318</u>	
	5. Original Construction Cod		· ·		
	6. Original Installation Code		4		
	7. Work Description: Rewo	ork or replace the bonnet and	NDE Method of Flaw De		
	o. LISITIAW N/A		Report Number:	tection.	
	9. Evaluation of the suitabilit	y of this work as per the req	•		
	Seat leakage - No ASME		•		
	10. Repair/Replacement Wor	c Organization: Arizona P	ublic Service		
	11. Replacement Items Const			74 Edition 1975 Winte	r A'ddenda
	12. Repair/Replacement Activ	' '			
•	13. ASME Section XI Code/I	Edition: 1992 Edition and	1 1992 Addenda		
	14. Preservice Inspection Req	uired:	☐ YES 🖾 NO		
	Initial N/A Date	If required	include a stan in the W.O.	to perform Preservice	Inchestion
	•	A contract of the contract of	\forall YES \square NO		nispection
	15. ASME Section XI Pressur			•	
1	Initial J. Date Z	2-20-06 If required,	include a step in the W.O.	for ISI & ANII Inspect	ion.
	Initial J.o Date	2-20-06 16. Include component.	a step in the W.O. to com	plete NIS-2 Form prior	to releasing the
•	/ .				
	Initial J.W. Date 5	-20-06 17. Include replacement	a step in the W.O. to reco	rd below all applicable	numbers for repaired or
	Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
		rari No.	201111100	Heat No.	MR/PO/WO No.
	BONNET		SNIW		
	กิเร		SN 2		Constant
**.					
			<u> </u>		
1 3	18. Planner	1-30	-06 Printed Name:	James I. Davis	
	Signature	Da			
* /	19. ISI AND ALL	7-20-	-06 Printed Name	WILEY AHLSTROM	Log Entry MA
erg the	Signature	Da		- TOTAL ON	
730	20 ANT 1/4	7-20	-A/	RG HOGSTROM	
•	20. ANII Signature	7-28 Da	I IIIIICG I (ullio.	100011001	
	PV216-08NI (8-88)		 		73DP-9ZZ17 Rev 9

. Owner <u>Arizona</u>	Public Service Co	ompany, et. al.		Date		11/02/06	
	x 53999, Phoenix,			Sheet_	. 1	of	2
Plant Palo Ver	rde Nuclear Gener	ating Station		Unit	,	2	
<u>5801 S.</u>	Wintersburg Rd.,	Name Tonopah, Ariz Address	ona 85354-	7529	•	2909318 Work Order Number	
Morte Dorformed b	by Arizona Public	Carvica		Tuna Ca	ida Šur	mbol Stamp	None
, work Performed b		Name			. •	lo. $N_{\rm c}$	
5801 S	Wintersburg Rd.,	Tonopah, Az 8	35354-7529			, :-	÷
		Address	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			<u></u>	
. Identification of Sy	/stem SI					· · · · · · · · · · · · · · · · · · ·	
(a) Applicable Co	nstruction Code ASI	ME Section III	19 74	Edition, W75	_ Add	enda, <u>N/A</u>	Code Case
(h) Applicable Ed	ition of Section XI Utili	ized for Renairs o	r Renlacemer	nts 19 92 Edit	ion (92 Adder	nda
(b) Applicable Ed	alon of occion Ai othi	izoa ioi i iopalio o	. Hopidooinoi	10 <u>72</u> Lun		72 /1000/	
. Identification of Co	omponents Repaired o	or Replaced and F	Replacement	Components			
Name of	Name of	Manufacturer	National	Other	Year	Repaired	ASME C
Item	Manufacturer	Serial No.		Identification	Built	or Replacement	Stampe (Yes or N
Valve	Borg-Warner	51712	NA	2PSIAV522	1979	Repaired	Yes
Bonnet	Borg-Warner	SNIW	ŅA	IQ89	*	Replacement	Yes
Disc	Borg-Warner	SN2	NA	IQ90	*	Replacement	Yes
<u> </u>			٠.				7/4 2/4
		.1.					
					· ·		
Description of Wor	rk * Note remarks	in Section 9 or	n Page 2.				
. Description of Wor		in Section 9 or	-	erating Pressure		Exempt [N-416-1 🔲
			Nominal Ope			Exempt []	N-416-1 _°F

PV-E0092 Ver. 7 73DP-9ZZ17

FORM NIS-2 (Back)

Remarks Work Order 2909318 was utilized to replace the honnet and disc assembly. The replacement assembly was removed from 1PSIAV523 by WO 2837012. It was refurbished by WO 2860072 Pre-Pressure Test Review: ISI DBH ANII CERTIFICATE OF COMPLIANCE We certify that the statements made in the 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 Signed 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 Authorization A			****		
CERTIFICATE OF COMPLIANCE We certify that the statements made in the 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 Date 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 Autorized and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-20-06 to 4-3-06 , 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 Feport. Furthermore,					
CERTIFICATE OF COMPLIANCE We certify that the statements made in the 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 Date 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 Autorized and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-20-06 to 4-3-06 , 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 Feport. Furthermore,	. ·				
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CERTIFICATE OF COMPLIANCE We certify that the statements made in the 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 Date 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 Autorized and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-20-06 to 4-3-06 , 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 Feport. Furthermore,			2-06		
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 Date 11-9-01 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 Access and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-20-06 to Unique of Access 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,	Pre-Pressu		2011	- 4-06	
Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Expiration Date N/A Signed 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 Autora and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-20-06 to 1-4-06 , 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,			CERTIFICATE OF C	OMPLIANCE	
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 Aarzona and employed by HSB CT of Hartford, Connecticut , have inspected the components described in this Owner's Report during the period 1-20-06 to (1-2-06), 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,			ade in the report are corr		
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 Aurona and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1-20-06 to (1-2-06), 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,	Type Code	e 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 ARIZOGIA and employed by HSB CT of Hartford, Connecticut , have inspected the components described in this Owner's Report during the period 7-20-06 to 4-2-06 , 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,	Certificate	of Authorization No.	N/A	Expiration	on DateN/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 Aerzona and employed by HSB CT of Hartford, Connecticut, have inspected the components described in this Owner's Report during the period 7-20-06 to 4-2-06, 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,	Signed	713/-	Dwner or Owner's Designee, Title		Date 11-9-01
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Aerzona and employed by HSB CT of Hartford, Connecticut, have inspected the components described in this Owner's Report during the period 7-20-06 to 4-2-06, 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,		CERI	TIFICATE OF INSER	VICE INSPECTION	<u> </u>
Inspectors and the State or Province of ARIZONA and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 7-20-06 to 4-2-06, 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,					•
of Hartford, Connecticut, have inspected the components described in this Owner's Report during the period 1-20-06 to 0-3-06, 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,			· -		
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concerning the examinations and corrective measures described in this Owner's Report. Furthermore,	belief, the (Owner has performed	examinations and taken	corrective measures de	
concerning the examinations and corrective measures described in this Owner's Report. Furthermore,					
damage or a loss of any kind arising from or connected with this inspection.	concerning neither the	the examinations and Inspector nor his emp	l corrective measures des loyer shall be liable in an	scribed in this Owner's y manner for any perso	Report. Furthermore,
$\sim 1-$		7h /=			27 4J
Commissions Az 264 Inspector's Signature National Board, State, Province, and Endorsements	. 	Inspector's Signatur			
		ν -			
Date 4-9-06				the second secon	·

PV-E0092 Ver. 7 BACK

	ASME SECTION	XI – REPAIR / REP	•	age of
1. Component ID 2SG036H	[011			
2 Item Description: Steam		line 2 Constant Spring Har	nger	
3. N-5 Data Package Number		4. W.O. Number:	- -	
5. Original Construction Cod	de Edition: 1974 Edition	, Winter 1975 Addenda		
6. Original Installation Code	Edition: 1974 Edition,	Winter 1975 Addenda	•	
7. Work Description: <u>Disa</u>	ssemble main steam line s	upports and inspect load co	ouplings & collar for da	amage.
8. X ISI Flaw		NDE Method of Flaw I Report Number: \sqrt{T}		
9. Evaluation of the suitabili	ty of this work as per the r	equirements of IWA - 415	0:	a cl. A. MAN
CRDR	ty of this work as per the r 288 7685 p	vovides the cu	qualities and s	su race in 7
of thi	s replacement	•		
	V			
			48.4	***
10. Repair/Replacement Wo	rk Organization: Arizona	Public Service NF		n ed
11. Replacement Items Cons	-		1974 Edition 1975 Win	iter Addenda
12. Repair/Replacement Act				iv
13. ASME Section XI Code/	Edition: 1992 Edition a	and 1992 AddendaNF		
14. Preservice Inspection Re	quired:	⊠ YES □ NO	0	
Initial Dung Date 1	7-26-D6 If require	d, include a step in the W.0	O. to perform Preservic	e Inspection
15. ASME Section XI Pressu		☐ YES ⋈ N		· · ·
Initial Days Date 10	7.0	d, include a step in the W.O		ection.
Initial Sung Date	P-26-06 16. Inclu ISI &	de a step in the W.O. to ve ANII prior to approving I		een completed by
Initial <u>Pun5</u> Date <u>10</u>	17. Inclured replace	de a step in the W.O. to receenent items.	cord below all applicab	le numbers for
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
Hanger	N/A	H1242	N/A	N/A
Load Coupling	APN 00096412	41-76070	N/A	MR 1128750
Anti-Friction Collar	APN 00095950	N/A	1420296	MR 1108924
18. Planner Signature		0-26-06. Printed Name	DAVID M.	GOODLET
19. ISI PRINDAJ) 10-26		R.P. IND	AP Log Entry REP
Signature Signature		Date	• ,	
20. ANII /2 /7/	 .	26-06 Printed Name	R.G. HOGST	_

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

As Required by the Provisions of the ASME Code Section XI

····							
1. Owner: Arizon	na Public Service (Company, et. al.		Date: 10	1/26/2006		
<u>P. O. I</u>	30x 53999, Phoeni	ix Arizona 85072-20	034	Sheet:	<u>1</u> of <u>2</u> .		
2. Plant: Palo V	Verde Nuclear Gene	erating Station		Unit: 2			
5801 S	South Wintersburg	Road., Tonopah, A	rizona 853.	54-7529 Work Orc	ler Numbe	er <u>2912408</u>	
3. Work Performe	ed by: <u>Arizona Public</u>	c Service		Type of C	Code Stamp	None	
				Authoriza	ation No.	<u>N/A</u>	:
				Expiration	n Date <u>N</u> /	<u>∕A</u> ,, , , , , , , ,	
4. Identification o	of System: <u>SG - Mai</u>	in Steam			·	-	
5. (a) Applicable	Construction Code 2	ASME Section III NF	, Class 2	1974 Edition, Winter 1	<u>1975</u> Ädde	nda, <u>WA</u> Cod	e Case
(b) Applicable	Edition of Section 3	I Utilized for Repair	s or Replace	ments: 1992 Edition	i, 1992 Ac	<u>ldenda</u>	
6. Identification of	f Components Repai	ired or Replaced and I	Replacement	t Components	· .	· · · · · · · · · · · · · · · · · · ·	
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired or Replacement	ASME Code Stamped
							(Yes or No)
Spring Support	ITT Grinnell	H1242	N/A	2SG036H011	1982	Repaired	YES
Load Coupling	Anvil	41-76070	N/A	2SG036H011	2006	Replacement	YES
Anti-friction Collar	Anvil	N/A	N/A	2SG036H011	2006	Replacement	NO
	· · · · · · · · · · · · · · · · · · ·						
							: •
7. Description of V	Vork: Replaced th	e load coupling and	l anti-frictic	on collar.			
8. Test Conducted:	: Hydrostatic	Pneumatic	☐ Nomi	inal Operating Pressure	e 🗌	Exempt 🛚	
N-4	116-2 Other	Pressure psi		Test Ten	nperature	°F	
	and the second s	the state of the s		ngs may be used pro			

and the number of sheets is recorded at the to of this form.

	FORM NIS-2 (Back)
9.	Remarks: WO# 2912408 reworked hanger 2SG036H011. The existing load coupler and anti-friction collar were removed and replaced. The existing load coupling was damaged, reported under CRDR 2887685.
P	re-Pressured Test WO Review – ISI ρ
	ANII μ Α
	Certificate of Compliance
	We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.
	Type Code Symbol StampN/A
	Certificate of Authorization NoN/A Expiration Date:N/A
	Signed: Date: 1/-1-06 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 HSB CT of Hartford, Connecticut, have inspected the components described in this Owner's report during the period of 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: NB 9685 "N" "I" AZ264 Inspectors Signature Commissions: NB 9685 "N" "I" AZ264 National Board, State, Province, and Endorsements
)	Date:

PV216-08NI (8-88) 73DP-9ZZ17 Rev 9

FORM NF-1 CERTIFICATE HOLDERS' DATA REPORT FOR COMPONENT SUPPORTS* As Required by the Provisions of the ASME Code, Section III, Division 1 Pg. 1 of 2

. Manufacti	ured by			d. No Kingstown, RI 02852	
			address of NPT Certificate Ho	The second of the second	.*
. Manufactı	red for Ariz		alo Verde 5801 South V ne and address of Purchaser)	Vintersburg Road Tonopah, A	\Z 85354
	et a della de la	·		h Mintenshuan Beed Teeses	L A7 00054
Location o	of installation A	Arizona Public Service Co	(name and address)	h Wintersburg Road Tonopal	n, AZ 85354
. Type:	CSS		DRS 80 Rev.)	2006
. Type	C.S.S.	(1	Design Report or Load Capacit		(year built)
ASME Co	de, Section III, Division 1:	1974	Winter 1975	2	N/A
	•	(edition)	(addenda date)	(class)	(Code Case no.)
Identificati	on		,		<i>*</i>
**	(a)	(b)	(c.)	(d)	(e)
	Component Support	Material Specification	Canadian Registration	Applicable Drawings With	National Board
	I.D. No.	No.	No.	Last Rev. & Date	No.
1.					
(1)	2006- 162	Note 1	N/A	BH1586/A 2/3/05	N/A
(2)				The second secon	
(2)					<u> </u>
(3)					
(0)	·				
(4)	·•				•
(5)					
(6)		<u> </u>			
(7)					
ر ⁽⁷⁾ —		· · · · · · · · · · · · · · · · · · ·			
´ (8)	•				
`.′					
(9)	·				
		•			•
(10)				· · · · · · · · · · · · · · · · · · ·	` . "
Remarks:				A Company of the Comp	
Temains.					1 EW
		Note 1: S	SA36, SA106 GR.B,	•	
	Note 2:	Material Supplied to AS	ME Section II, 1992 Ed	lition, 1993 Addenda	
		···	<u> </u>	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
·	PO#: 500303236				
	SO#: 41-76070				

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

(12/88)

This form (E00075) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

FORM NF-1 (Back - Pg. 2 of __2_)

en en en en en en en en en en en en en e	Compone	ent Support I.D. Nos	. 2006-162	through	2006-162	
	OFDY!					· ·
	CERIII	FICATE OF DESIGN	4			
Design Specification certified by	H. R. Sonderegger	P.E. State	R.J.	Reg. no	3537	
Design Report certified by	Frank J. Birch	P.E. State	· R.I.	Reg. no	4149	
						 .
			<i>.</i>	•		
	CERTIFIC	ATE OF COMPLIAN	NCE			:
gargas -						
We certify that the statements ma	,	ct and that these	component s	upports conform	to the rules for	
construction of the ASME Code, S	·					
NPT Certificate of Authorization No.	N-280	2	Expires	9/2	29/2007	
Date 9-28-06 Nam	me Anvil International, Inc	Signed (27/1	7 X		
Date 7-28-06 Name	(NPT Certificate Holder)		2101			
	(111 - 001011011011011111111111111111111		. ,			
			•			
· · · · · · · · · · · · · · · · · · ·	·	· <u>. :</u>				
	CERTIFIC	ATE OF INSPECTI	ON			
I, the undersigned, holding a valid	commission issued by the	National Board o	f Boiler and	Pressure Vesse	I Inspectors and	
the State or Province of	Rhode Island	and e	mployed by	H.S	.B. C.T.	
of Hartford,	C.T.	have inspected the	component su		d in this Data Report	
on 9/28/06	, and state t	hat to the best of my			-	
constructed these component suppor						
•		•	. ,		* .	
By signing this certificate, neither	the inspector nor his empl	oyer makes any w	arranty, expre	ssed or implie	d, concerning the	
component supports described in t	his Data Report. Furtherm	ore, neither the in:	spector nor h	is employer sha	Il be liable in any	
manner for any personal injury or	property damage of a loss	s of any kind arisin	g from or conr	nected with this in	nspection.	
	// 11/		· 11.3	1 1 1/4		
Date 9/28/06 Signed		Commissions ALL	866	ABNI	,	
=	(Authorized Inspection)	· · (N	lat'l. Bd. (incl. en	dorsements) and st	tate or prov. and no.)	

	ASME SECTION	XI - REPAIR / REPL	ACEMENT	•
			Pag	e of
1. Component ID 2PSPAL0	68			
2 Item Description: ESP PI	P SPAP01 TO DG & ESSI	HT EXCH DBA/EWA-E01		
3. N-5 Data Package Number	: <u>2SP01-2</u>	4. W.O. Number: 2	<u> 1913006</u>	
5. Original Construction Cod	le Edition: 1974 Edition,	Summer 1975 Addenda		•
6. Original Installation Code	Edition: 1974 Edition, V	Winter 1975 Addenda		•
7. Work Description: <u>Base</u>	metal repair of piping			•
8. \square ISI Flaw μ/Λ	. •	NDE Method of Flaw Det	tection:	
		Report Number:		
9. Evaluation of the suitabilit	y of this work as per the re	equirements of IWA - 4150:	•	•
ν/ρ			· .	
1"				•
	•			S. Santa
10. Repair/Replacement Wor	k Organization: Arizona	Public Service		
11. Replacement Items Const	truction or reconciled Code	e/Edition: Sec. III Cl 3, 193	74 Edition 1975 Summe	er Addenda
12. Repair/Replacement Acti	vity Construction Code/Ed	lition: Sec. III Cl 3, 1974 E	Edition 1975 Winter Ad	<u>denda</u>
13. ASME Section XI Code/I	Edition: 1992 Edition a	nd 1992 Addenda		
14. Preservice Inspection Rec	quired:	☐ YES 🖾 NO		
Initial A Date	If required	d, include a step in the W.O.	to perform Preservice I	nspection
15. ASME Section XI Pressu	re Test Required:	☐ YES ☒ NO		
	If required	d, include a step in the W.O.	for ISI & ANII Inspect	ion.
Initial <u>N/A</u> Date		· ·		
Initial J. D Date 1	0-19-06 componen	de a step in the W.O. to comp at for permanent service or po		to releasing the
		· · · · · · · · · · · · · · · · · · ·		
Initial J.O Date 10	-18-06 replaceme	de a step in the W.O. to reconnect items.	d below all applicable	numbers for repaired or
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
2PSPBL068	N/A	2PSP068S023	N/A	NA
		2.0.000023		1200-1
			-	
10 71	//ca -	2.11	T. 11 7	, On.,,-
18. Planner Signature		Printed Name: \(\)	JAMILS I.	DAVIS
2 11+	4	-1-	- 0	10
19. ISI Tudorus	/ /0//		FRED POTEET	Log Entry
Signature OG	STROM PERTEL	valu		
00 117		ECON	· .	•
20. ANH			R HOGSTRO	<i>w</i>
20. ANH Signature Pv216-08N1 (8-88)	b- 10-19		R HOGSTRO	73DP-97Z17 Rev 9

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		10/30/06	
	x 53999, Phoenix,				Sheet_		of	2
2. Plant Palo Ver	de Nuclear Genera				Unit		2	
		lame .		7529			2913006	
	Α	ddress			•		Work Order Number	
3. Work Performed b	y Arizona Public S	Service	,	· · · · ·	Type Co	de Syn	nbol Stamp	None
								I/A
5801 S.	Wintersburg Rd.,	Tonopah, AZ	85354		Expiration	on Date	N/	<u>'A</u> -
4. Identification of Sy	a n	nd "2PSPAL06	68" Piping		٠,			
4. Identification of Cy	Stein		,					- (
5. (a) Applicable Cor	nstruction Code ASM	IE Section III	19 74	Edition,	W 75	_ Adde	enda, <u>NA</u>	Code Case
(b) Applicable Edi	tion of Section XI Utiliz	ed for Repairs or	r Replacemer	nts 19	<u>92</u> Edil	tion, _	92 Adde	nda
		-						
6. Identification of Co	emponents Repaired or	Replaced and H	leplacement (Compor	nents			
Name of		Manufacturer			ther	Year	Repaired or	ASME Code Stamped
Item	Manufacturer	Serial No.	Board No.	Identi	fication	Built		(Yes or No)
Pipe	Pullman Power	2SP068S023	NA	2PSP	AL068	1979	Repaired	Yes
/					····			
							\	
					·			e #
						* .		
					•			
					,			
7. Description of Work	k See remarks on s	sheet 2.					· · · · · · · · · · · · · · · · · · ·	
8. Test Conducted:	Hydrostatic P	neumatic 🔲	Nominal Ope	erating F	Pressure		Exempt	N-416-2 🔲
			•		•		· _	
	Other	Pressure 4	1 psi			Test Te	emp. <u>63/64</u>	_°F
	:		•			:		
(2) information in ite	tal sheets in form of ems 1 through 6 on t ets is recorded at the	this report is inc	luded on ea					

PV-E0092 Ver. 7

FORM NIS-2 (Back)

	identified by en	dineering			
		ginixanig.			
				*	
					,
Pre-Pressure	e Test Review: ISI	NA ANII	NA . , .	· .	•
		CER	RTIFICATE OF CO	MPLIANCE	**
	fy that the statem		n the report are correc	et and this repair conformation	ms to the rules
Tuno Co	do Cumbal Ctom	a sa made sa a sa a sa a sa a sa a sa a sa a s	N/A	· · · · · · · · · · · · · · · · · · ·	
	ode Symbol Stam			Finite-ties Date	NT/A
Certifica	te of Authorizatio	n No	N/A	Expiration Date	N/A
Signed_	DE	-W-	ENGI	7 Date/c	-30-06
-		Owner or	r Owner's Designee, Title		
			· ·		
		CERTIFIC	ATE OF INSERVI	CE INSPECTION	
· · · · · · · · · · · · · · · · · · ·		CERTIFIC	ATE OF INSERVI	CE INSPECTION	
	dersigned, holdin	g a valid com	nmission issued by the	e National Board of Boiler and Pr	essure Vessel
Inspector	dersigned, holding	g a valid com or Province o	nmission issued by the	e National Board of Boiler and Pr nployed by <u>HSB CT</u>	
Inspector of <u>Har</u>	dersigned, holding rs and the State of rtford, Connecti	g a valid com or Province o icut, have	nmission issued by the ofAz and ene inspected the compo	e National Board of Boiler and Pr nployed by <u>HSB CT</u> onents described in this Owner's	Report during
Inspector of <u>Har</u> the perio	dersigned, holding rs and the State of rtford, Connection	g a valid com or Province o icut , have to	nmission issued by the of <u>Az</u> and endering a sinspected the composition of the compositi	e National Board of Boiler and Pr nployed by <u>HSB CT</u>	Report during nowledge and
Inspector of <u>Har</u> the period belief, the	dersigned, holding rs and the State of rtford, Connecti d	g a valid com or Province o icut, have to formed exam	nmission issued by the of <u>Az</u> and endering a sinspected the composition of the compositi	e National Board of Boiler and Proployed by HSB CT prents described in this Owner's and state that to the best of my known that the state in the sta	Report during nowledge and
Inspector of <u>Har</u> the period belief, the	dersigned, holding rs and the State of rtford, Connecti d	g a valid com or Province o icut, have to formed exam	nmission issued by the of <u>Az</u> and endering an and endering and taken composite and ta	e National Board of Boiler and Proployed by HSB CT prents described in this Owner's and state that to the best of my known that the state in the sta	Report during nowledge and
Inspector of <u>Har</u> the period belief, the Report in	dersigned, holding rs and the State of rtford, Connecti d יס־ום-סט e Owner has perf n accordance with	g a valid comor Province of cut, have to formed examenthe requirer	nmission issued by the ofAz and ene inspected the compositions and taken coments of the ASME Coments of the ASME Coments.	e National Board of Boiler and Proployed by HSB CT onents described in this Owner's and state that to the best of my known or measures described in the bode, Section XI.	Report during nowledge and his Owner's
Inspector of <u>Har</u> the perior belief, the Report in	dersigned, holding rs and the State of rtford, Connectind 10-19-06 e Owner has perform accordance with the state of this certificate,	g a valid comor Province of icut have to formed examing the requirer neither the light	nmission issued by the of and engline inspected the compositor, and taken coments of the ASME Coments of the ASM	e National Board of Boiler and Proployed by HSB CT prents described in this Owner's and state that to the best of my known rective measures described in the bode, Section XI.	Report during nowledge and his Owner's
Inspector of <u>Har</u> the perior belief, the Report in By signin	dersigned, holding rs and the State of rtford, Connection of the Connection of the Connection accordance with the certificate, and the examination	g a valid comor Province of icut, have to formed examing the requirer neither the lights and corre	nmission issued by the of and end inspected the composition of the ASME Compositions and taken compositions and taken compents of the ASME Compositions and taken compositions and taken compens of the ASME Compositions and taken compens of the ASME Compositions and taken compens of the ASME Compositions and taken compens of the ASME Compositions and taken compensations are the compositions and taken compensations are the compositions and taken compensations are the compositions and taken compensations are the compositions are the compositions are the compositions and taken compensations are the compositio	e National Board of Boiler and Proployed by HSB CT prents described in this Owner's and state that to the best of my known rective measures described in the bode, Section XI. Oyer makes any warranty, expressible in this Owner's Report. Further	Report during nowledge and his Owner's ssed or implied thermore,
Inspector of Har the perior belief, the Report in By signin concernin	dersigned, holding rs and the State of rtford, Connecting to the Owner has performed accordance with the ordination of the examination of the Inspector nor helps and the examination of the content of the ordination of the examination of the	g a valid comor Province of icut , have to formed examing the requirer neither the leads and corrections and corrections employer	nmission issued by the ofAz and end inspected the compositions and taken coments of the ASME Compositions and taken compositions and taken compositions and taken compositions and taken compositions and taken compositions and taken compositions and taken compositions and taken compositions and taken compositions and taken compositions and taken compositions are taken to the compositions and taken compositions are taken to the compositions are taken to the compositions are taken to the compositions and taken compositions are taken to the compositions are taken to t	e National Board of Boiler and Proployed by HSB CT ponents described in this Owner's and state that to the best of my known or measures described in the bode, Section XI. Toyer makes any warranty, expressible in this Owner's Report. Further manner for any personal injury of	Report during nowledge and his Owner's ssed or implied thermore,
Inspector of Har the perior belief, the Report in By signin concernin	dersigned, holding rs and the State of rtford, Connecting to the Owner has performed accordance with the ordination of the examination of the Inspector nor helps and the examination of the content of the ordination of the examination of the	g a valid comor Province of icut , have to formed examing the requirer neither the leads and corrections and corrections employer	nmission issued by the of and end inspected the composition of the ASME Compositions and taken compositions and taken compositions and taken compositions and taken compositions and taken compositions and taken compositions and taken compositions of the ASME Compositions and taken compositions and taken compositions and taken compositions are the compositions are the compositions and taken compositions are the compositi	e National Board of Boiler and Proployed by HSB CT ponents described in this Owner's and state that to the best of my known or measures described in the bode, Section XI. Toyer makes any warranty, expressible in this Owner's Report. Further manner for any personal injury of	Report during nowledge and his Owner's ssed or implied thermore,
Inspector of Har the perior belief, the Report in By signin concernin	dersigned, holding rs and the State of rtford, Connecting to the Owner has performed accordance with the organization of the examination of the Inspector nor helps and the examination of the organization of the examination	g a valid comor Province of icut , have to formed examing the requirer neither the leads and corrections and corrections employer	nmission issued by the ofAz and end inspected the compositions and taken coments of the ASME Compositions and taken compositions and taken compositions and taken compositions and taken compositions and taken compositions and taken compositions and taken compositions and taken compositions and taken compositions and taken compositions and taken compositions are taken to the compositions and taken compositions are taken to the compositions are taken to the compositions are taken to the compositions and taken compositions are taken to the compositions are taken to t	e National Board of Boiler and Proployed by HSB CT prents described in this Owner's and state that to the best of my known rective measures described in the bode, Section XI. However makes any warranty, expressible of this Owner's Report. Further manner for any personal injury of this inspection.	Report during nowledge and his Owner's ssed or implied thermore,
Inspector of Har the perior belief, the Report in By signin concernin	dersigned, holding rs and the State of rtford, Connecting to the Owner has performed accordance with the organization of the examination of the Inspector nor helps and the examination of the organization of the examination	g a valid comor Province of icut , have to formed examing the requirer neither the leads and corrections and corrections employer	nmission issued by the ofAz and end inspected the compositions and taken coments of the ASME Compositions and taken compositions and taken compositions and taken compositions and taken compositions and taken compositions and taken compositions and taken compositions and taken compositions and taken compositions and taken compositions and taken compositions are taken to the compositions and taken compositions are taken to the compositions are taken to the compositions are taken to the compositions and taken compositions are taken to the compositions are taken to t	e National Board of Boiler and Proployed by HSB CT prents described in this Owner's and state that to the best of my known or measures described in the ode, Section XI. However makes any warranty, expressible in this Owner's Report. Further manner for any personal injury of this inspection.	Report during nowledge and his Owner's ssed or implied thermore, r property
Inspector of Har the perior belief, the Report in By signin concernin	dersigned, holding rs and the State of rtford, Connecting to the Owner has performed accordance with the organization of the examination of the Inspector nor helps and the examination of the organization of the examination	g a valid comor Province of icut , have to formed examing the requirer neither the leads and corrections and corrections employer	nmission issued by the of Az and ender inspected the compositions and taken coments of the ASME Compositions and taken coments of the ASME compositions are the asymptotic measures described in any rom or connected with	e National Board of Boiler and Proployed by HSB CT prents described in this Owner's and state that to the best of my known rective measures described in thode, Section XI. Oyer makes any warranty, expressible in this Owner's Report. Further manner for any personal injury of this inspection.	Report during nowledge and his Owner's ssed or implied thermore, r property

	ASME SECTION X	I – REPAIR / REP	LACEMENT	•
		÷.	Pa	ge l of l
1. Component ID 2MRCEX0	<u>terreliano de la co</u>			
2 Item Description: Reactor	Vessel			
3. N-5 Data Package Number:	2RC01-1A	4. W.O. Number:	2919114	
5. Original Construction Code	Edition: 1971 Edition, W	inter 1973 Addenda		
6. Original Installation Code E	dition: 1974 Edition, Wir	ter 1975 Addenda		•
7. Work Description: Repair	the Reactor Head vent to v	essel weld IAW DFWO	<u>2917539.</u>	
8. 🔲 ISI Flaw		NDE Method of Flaw D	etection:	
		Report Number:	•	
9. Evaluation of the suitability	of this work as per the requ	irements of IWA - 4150):	•
The attachment weld is bei	ng made with corrosion res	istant weldment (Alloy 5	52) with Temperbead w	elding technique.
Reference ENG DF work of	order 2917539 for additiona	l information.		
10. Repair/Replacement Work	Organization: Arizona Pi	ublic Sarvica		
11. Replacement Items Constru			071 Edition 1073 Winte	ar Addendo
12. Repair/Replacement Activi	•	·		
13. ASME Section XI Code/Ed			Edition 1975 Willer A	<u>uucnua</u>
•	·			
14. Preservice Inspection Requ	irea:] YES ⊠ NO		
Initial Date 10	20/06 If required, i	nclude a step in the W.C). to perform Preservice	Inspection
15. ASME Section XI Pressure	Test Required:	YES 🗆 NO	O	
1./		nclude a step in the W.C), for ISI & ANII Inspec	tion.
Initial Date 10/	20/06			
Initial Mate 10/	20/06 16. Include a	a step in the W.O. to ver NII prior to approving II		n completed by
	ISI & AL			
Initial Date 10/	20/06 17. Include a	a step in the W.O. to rectent items.	ord below all applicable	numbers for
		<u> </u>		
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
We will be a second of the sec				
. "				
			÷	
				
18. Planner Jahr 10	<u>10/59</u>	66 Printed Name	R-P. IND	GREEN
Signature	Dat	e		
Pahrl	D 10/20/	106	RD TUA	4 (RDY
19. ISI Signature	Date		· · · · · · · · · · · · · · · · · · ·	Log Entry
- Signature	- Dah	* .	,	
20. ANII & form	10-20-0	Printed Name:	R.G. HOGSTRO	M.
Signature	Date			
PV216-08NI (8-88)				73DP-9ZZ17 Rev 9

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

As Required by the Provisions of the ASME Code Section XI

	ALTERNATION OF THE PARTY OF THE						
Owner: Arizo	ona Public Service (Company, et. al.		Date: <u>11/</u>	<u>′02/2006</u>		
<u>P. O.</u>	Box 53999, Phoeni	<u>ix Arizona 85072-20</u>	034	Sheet: 1	<u>1</u> of <u>2</u>		
2. Plant: Palo	Verde Nuclear Gene	erating Station		Unit: 2			
<u>5801</u>	South Wintersburg	Road., Tonopah, A	rizona 853.	54-7529 Work Orde	er Numbe	er <u>2919114</u>	
3. Work Perform	ed by: Westinghouse	PCI Energy Systems	<u>3</u>	Type of Co	ode Stamı	p <u>None</u>	
				Authorizat	ion No.	<u>N/A</u>	
				Expiration	Date N/	<u>/A</u>	
4. Identification (of System: Reactor \	Vessel				Sing ter	
5. (a) Applicable	Construction Code 4	ASME Section III NE	3, Class 1	1971 Edition, Winter 19	973 Adde	nda, <i>pf</i> Cod	le Case
(b) Applicable	e Edition of Section >	KI Utilized for Repair	rs or Replace	ements: 1992 Edition,	1992 Ac	<u>ddenda</u>	
6. Identification c	of Components Repai	ired or Replaced and I	Replacement	ι Components	:		
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or
Reactor Vessel	Combustion Engineering	79173	22513	2MRCEX01	1979	Repaired	YES
/		,	·				,
			·				
						100 s	
1 2				t et al.			
7. Description of	Work: Repair the R	eactor Head vent to v	ressel weld Ir	AW DFWO 2917539.			
8. Test Conducted	d: Hydrostatic	Pneumatic [☐ Nomi	inal Operating Pressure	: \	Exempt	-
N-	-416-2 Other	r Pressure 2<u>2130</u> ps i	i	Test Tem	perature	<u>521</u> °F	
S., S.,		1			.*	i i i i i i i i i i i i i i i i i i i	
inches, (2) inf	formation in items 1		ort is include	ings may be used proded on each sheet, and			

FOR	MI	NIS-2	(Back)

7:	TORWING-2 (Back)
	Remarks: Repair the Reactor Head vent to vessel weld IAW DFWO 2917539, DIWO 2919114
re-	Pressured Test WO Review – ISI Product 11-03-06
	ANII A II-L-oc
	ANII
Г	
	Certificate of Compliance
	We certify that the statements made in the report are correct and this repair conforms to the rules of the ASME
	Code, Section XI.
T	Type Code Symbol Stamp N/A
7	Certificate of Authorization No. N/A Expiration Date: N/A
Ş	Signed: Date: //-9-0/
L	
<i>9</i> 7.	
ı	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>HSB CT</u> of <u>Hartford, Connecticut</u> , have
	nspected the components described in this Owner's report during the period of
	examinations and taken corrective measures described in this Owner's Report in accordance with the
r	equirements of the ASME Code, Section XI.
E	By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied,
c	concerning the examinations and corrective measures described in this Owner's report. Furthermore, neither
	he Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a oss of any kind arising from or connected with this inspection.
["	/
	? Commissions: NB 9685 "N" "I" AZ264
-	National Board, State, Province, and Endorsements
-	National Board State Province and Endorsements

PV216-08NI (8-88)

	ASME SECTION Y	XI – REPAIR / REPLA	ACEMENT	
			Page	of
1. Component ID 2PCHNV3	<u>363</u>			
2 Item Description: Borg W	Varner 3" Gate Valve, mode	177650-3&4		
3. N-5 Data Package Number	: <u>2SI07-1</u>	4. W.O. Number: 29	923221	
5. Original Construction Cod				,
6. Original Installation Code	*			
7. Work Description: Repla	ace valve bonnet studs with	·	•	
8. 🔲 ISI Flaw	e organi let t er gjord	NDE Method of Flaw Dete	ection: n/a	: ,
	Call 1 at	Report Number: n/a		
9. Evaluation of the suitabilit		ī :		
Not a failure in the ASM	E III pressure boundary. The	e bonnet studs are being rep	laced to enhance boric a	cid corrosion
resistance. The nuts are al	so being replaced to reduce	contamination & radiologic	cal dose.	
10. Repair/Replacement Wor	· · ·			
11. Replacement Items Const		· · · · · · · · · · · · · · · · · · ·		7
12. Repair/Replacement Acti		·	dition 1975 Winter Add	<u>enda</u>
13. ASME Section XI Code/I				
14. Preservice Inspection Rec	quired:	☐ YES ☑ NO	•	
Initial Dans Date 12	7-5-06 If required,	include a step in the W.O. t	o perform Preservice In	spection
15. ASME Section XI Pressu		☐ YES ☒ NO		
	- ·	include a step in the W.O. f	or ISI & ANII Inspection	מת.
Initial Date 10	<u> </u>			
Initial Mag Date 10	16. Include component	e a step in the W.O. to comp	lete NIS-2 Form prior to	o releasing the
Initial P75 Date 10	replacemen	e a step in the W.O. to record	a below all applicable n	umbers for repaired or
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
			8642933	
bonnet studs	APN 43115009	n/a		MR 1148591
bonnet nuts	APN 43126009	n/a	BDY	MR_1148591
		.A		
			-	
	· · · · ·			
\sim \sim	, 100,			
18. Planner	1 foralt 10.	-5-06 Printed Name: D	avid Goodlet	
Signature		ate		•
10 IST PAPAGE			\sim \sim	
	10/6/06	D. 137	NAP	RPZ
19. ISI Signature	$\frac{c}{ c }$	Printed Name:	R.P. INDAP	_Log Entry RPF
19. 131		ate	R.P. INDAP	• •
19. 131	D 10-7-	ate	R.G. Howstrom	• •

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

. 1	<u> </u>	<u></u>		·		<u> </u>	
1. Owner: Arizon	na Public Service (Company, et. al.		Date: <u>10/</u>	5/2006		
<u>P. O. I</u>	Box 53999, Phoeni	x Arizona 85072-20	034	Sheet:	1 of 2		1
2. Plant: Palo V	erde Nuclear Gene	erating Station		Unit: <u>2</u>	: .		
<u>5801 S</u>	outh Wintersburg	Road., Tonopah, A	rizona 8535	4-7529 Work Ord	er Number	2923221	
3. Work Performe	d by: <u>Arizona Public</u>	Service		Type of Co	ode Stamp	None	
				Authorizat	ion No.	<u>N/A</u>	
4. Identification o	f System: <u>CH: Che</u>	mical and Volumn Co	ontrol Systen	Expiration	Date N/	<u>A</u>	
5. (a) Applicable	Construction Code [ASME Section III NC	. Class 2 1	974 Edition, Winter 1	975 Adde	nda,/_ Code	e Case
(b) Applicable	Edition of Section X	II Utilized for Repair	s or Replace	ments: 1992 Edition,	1992 Ad	l <u>denda</u>	
6. Identification o	f Components Repai	red or Replaced and I	Replacement	Components			
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)
Valve	Borg Warner	50388	n/a	2PCHNV363	1979	Repaired	YES
Bonnét nuts	n/a	n/a	n/a	2PCHNV363	2006	Replacement	NO
Bonner studs	n/a	n/a	n/a	2PCHNV363	2006	Replacement	NO
7. Description of V8. Test Conducted	,	e valve for replacer Pneumatic		net studs & nuts.	e 🔲	Exempt 🛛	
N	416-2 Other	Pressure ps	i , , ,	Test Ten	nperature	°F	
inches, (2) info	ormation in items 1		rt is include	ngs may be used pro ed on each sheet, and			

= :	FORM NIS-2 (Back)
	Remarks: WO# 2923221 for valve 2PCHNV363. Replaced the SA540 Gr B-23 studs with SA564 Gr, 630 material to
	enhanse corrosion ability. Also replaced bonnet nuts with like for like to contain contamination.
Pr	e-Pressured Test WO Review – ISI NA
	anii NA
	Certificate of Compliance
•	We certify that the statements made in the 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: Phosp ISI Engineer Date: 10-18-2006
	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 HSB CT of Hartford, Connecticut, have inspected the components described in this Owner's report during the period of to to to to to to to to to to to to to
	Ry 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

PV216-08NI (8-88) 73DP-9ZZ17 Rev 9

Commissions: NB 9685 "N" "I" AZ264
National Board, State, Province, and Endorsements

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.

Inspectors Signature

Date:

			Pag	geiof(
1. Component ID 2JSGAHV	<u>0184</u>			
Item Description: 12"-900	0# CCI Atmospheric Dump	Valve		
3. N-5 Data Package Number		4. W.O. Number:	2929778	* .
5. Original Construction Cod				
6. Original Installation Code				
7. Work Description: <u>Disas</u>	semble valve and recondition			ing.
8. 🗌 ISI Flaw		NDE Method of Flaw De	tection: n/a	
9. Evaluation of the suitabilit	af this work as more the man	Report Number: n/a		
		•		
Not a failure of the ASMI	E III presure boundary. Plug	is being replaced to expid	lite valve reassembly.	
		~		fr.
10. Repair/Replacement Wor			64 T 1: 1065 TT	· · · · · · · · · · · · · · · · · · ·
11. Replacement Items Const				/
12. Repair/Replacement Activates13. ASME Section XI Code/I			Edition 1975 Winter A	<u>adenda</u>
	_			
14. Preservice Inspection Rec	luired:	☐ YES ⊠ NO		
Initial Puny Date 16	P-13-D4 If required,	include a step in the W.O.	to perform Preservice	Inspection
15. ASME Section XI Pressu	re Test Required:	☐ YES 🖾 NO		
nitial My Date 11	S-13-04 If required,	include a step in the W.O.	for ISI & ANII Inspec	tion.
ĺ	16 Include	a step in the W.O. to veri	fy NIS-2 Form has bee	n completed by
Initial MyG Date ID	151 & A	NII prior to approving IN		ii completed by
		a step in the W.O. to reco	rd below all applicable	numbers for
Initial Mars Date 11	2 . 1 9 . 1 . 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2 / 2	nent items.	ra below an appheable	numbers for
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
Valve	N/A	21408-4-1	N/A	N/A
Plug	APN 45021282	1	B220609	WO 2798871
Shade:				
18. Planner Loubte	1 Donald 10-	13-De Printed Name:	DAVID M.	GOODLET
Signature	Da		•	
19. ISI PINDAP	per Jelson My Rock	Printed Name:	R. INDAP	Log Entry
Signature	12/2/DP	ite		
20. ANII 25 Lation	10-13-0		R.G. Hocest	ROM
Signature	Da		· · · · · · · · · · · · · · · · · · ·	

ASME SECTION XI – REPAIR / REPLACEMENT

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

							•
1. Owner: Arizo	na Public Service (Company, et. al.		Date: <u>10</u>	<u>-16-2006</u>		
<u>P. O. I</u>	Box 53999, Phoeni	x Arizona 85072-20	034	Sheet:	<u>1</u> of <u>2</u>		
2. Plant: Palo V	erde Nuclear Gene	erating Station		Unit: <u>2</u>			
<u>5801 S</u>	South Wintersburg	Road., Tonopah, A	rizona 8535	54-7529 Work Ord	ler Numbé	r <u>2929778</u>	
3. Work Performe	d by: Arizona Public	Service		Type of C	ode Stamp	None None	
			, , ,	Authoriza	tion No.	<u>N/A</u>	
				Expiration	n Date <u>N</u> /	<u>'A</u> ,	· .
4. Identification o	f System: <u>SG: Mair</u>	n Steam System					
5. (a) Applicable	Construction Code A	ASME Section III NC	, Class 2	1974 Edition, Winter	1 <u>975</u> Adde	nda,/ Cod	e Case
(b) Applicable	Edition of Section >	(I Utilized for Repairs	s or Replace	ments: 1992 Edition	, 1992 Ac	ldenda	• • • • •
6. Identification o	f Components Repai	red or Replaced and I	Replacement	Components			
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or
Valve	B&W	21409 4 1	NI/A :	2JSGAHV0184	1000	D	No)
		21408-4-1	N/A		1980	Repaired	YES
Plug removed	CCI	N/A	N/A	HT 28672	1994	Replaced	YES
Plug installed	CCI	1	N/A	HT 220609		Replacement	YES
						Zin.	
		·					
7. Description of V	Work: <u>Disassembl</u>	ed and reconditione	d valve to o	correct sticking cond	lition whe	n stroked.	
8. Test Conducted	: Hydrostatic	Pneumatic [] Nomi	nal Operating Pressur	e 🔲 🔝	Exempt 🛛	
N-4	416-2 Other	Pressure psi		Test Ter	nperature	°F	
***				·			
inches, (2) info	ormation in items 1		rt is include	ngs may be used pro ed on each sheet, and			

I UINII IIID-2 IDaun	FORM NIS-2 (Back	∡`
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3	Remarks: WO# 2929778 for valve 2JSGAHV0184. Disassembled and reworked valve to correct sticking observed during valve stroking. The plug is being replaced to expedite valve reassembly. The removed plug will be reworked and saved as a spare. The installed plug came from 1JSGBHV0185 and was reconditioned under wo# 2798871 as a spare.	
·-		
Pr	re-Pressured Test WO Review – ISI	
٠.	ANII N/A	
_		·
	Certificate of Compliance	
	We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.	
-	Type Code Symbol StampN/A	
-	Certificate of Authorization No. N/A Expiration Date: N/A	
	Signed: RANDAP, ISI ENSUNEY Date: 10/17/2006 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 <u>Arizona</u> and employed by <u>HSB_CT</u> of <u>Hartford, Connecticut</u> , have	
	inspected the components described in this Owner's report during the period of 10-13-06 to 10-13-06, and state that to the best of my knowledge and belief, the Owner has performed	Ì.
	examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.	
	requirements of the Asymb Code, Section At.	
	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.	1
	Commissions: NB 9685 "N" "I" AZ264 National Board, State, Province, and Endorsements	
	Date: 13-17-6	·

PV216-08NI (8-88)

ASME SECTION XI - REPAIR / REPLACEMENT Page: 1. Component ID 2PSIBL112 2.. Item Description: Safty Injection (SI) piping. 4. W.O. Number: 2932771 3. N-5 Data Package Number: 2SI09-3 5. Original Construction Code Edition: 1974 Edition, Winter 1975 Addenda 6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda Replace a section of pipe 2PSIBL112, spool N00D, down stream of 2JSIBUV0667 in accordance with 7. Work Description: instructuons provided in work order 2932771. 8. ISI Flaw NDE Method of Flaw Detection: Report Number: 9. Evaluation of the suitability of this work as per the requirements of IWA - 4150: The pipe is being replaced due to indications must likely due to cavitation. 10. Repair/Replacement Work Organization: Arizona Public Service 11. Replacement Items Construction or reconciled Code/Edition: Sec. III Cl 2, 1974 Edition 1975 Winter Addenda 12. Repair/Replacement Activity Construction Code/Edition: Sec. III Cl 2, 1974 Edition 1975 Winter Addenda 13. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 14. Preservice Inspection Required: NO IX ☐ YES Initial MfC Date 10-15-06 If required, include a step in the W.O. to perform Preservice Inspection 5. ASME Section XI Pressure Test Required: \boxtimes YES □ NO Initial MM Date 10-15-66 If required, include a step in the W.O. for ISI & ANII Inspection. Initial M/L Date 10-15-06 16. Include a step in the W.O. to verify NIS-2 Form has been completed by ISI & ANII prior to approving INP525 Status. Initial M/K Date 16-15-06 17. Include a step in the W.O. to record below all applicable numbers for replacement items. Item ID Part No. Serial No. Heat No. MR/PO/WO No. 2PSIBL112 474900 APN 43510414 N/A F8297 2PSIBL112 APN 43540474 N/A 2PSIBL112 APN 00092827 N/A 10-15-06 Printed Name: Martin I. Sullivan 18. Planner Ma 10-15-06 Printed Name: _ 20. ANII

ASME SECTION XI – REPAIR / REPLACEMENT

Page <u>2</u> of <u>3</u>

1. Component ID 2JSIBUV0	667			
2 Item Description: Safty Ir				
3. N-5 Data Package Number:	· ·	4. W.O. Number: <u>29</u>	32771	
5. Original Construction Code		inter 1975 Addenda		·
6. Original Installation Code		•		
	ice valve body of 2JSIBUV0 ded in work order 2932771	667 in pipe 2PSIBL112 spo	ool N00D in accorder	nce with instructions
8. ISI Flaw		NDE Method of Flaw Dete Report Number:	ction:	
9. Evaluation of the suitabilit	y of this work as per the requ	irements of IWA - 4150:		
The valve body is being r	eplaced due to indications mo	ost likely caused by cavitat	on.	
10. Repair/Replacement Wor	k Organization: Arizona Pu	blic Service		
11. Replacement Items Const	ruction or reconciled Code/E	dition: Sec. III Cl 2, 1974	Edition 1975 Winte	r Addenda
12. Repair/Replacement Activates13. ASME Section XI Code/I			lition 1975 Winter A	ddenda ,
14. Preservice Inspection Rec		YES NO		
	·	nclude a step in the W.O. to	o perform Preservice	Inspection
5. ASME Section XI Pressu		<u>_</u>	,	
Initial MIL Date 1	.,	nclude a step in the W.O. f	or ISI & ANII Inspec	tion.
Initial MIV Date	0-15-06 16. Include:	a step in the W.O. to verify		n completed by
	ISI & AI	NII prior to approving INP	525 Status.	
Initial MIL Date 1	17. Include a replacem	a step in the W.O. to record nent items.	l below all applicable	numbers for
Item ID				
	Part No.	Serial No.	Heat No.	MR/PO/WO No.
2JSIBUV0667	APN 00050507	Serial No. イス	Heat No.	MR/PO/WO No. MR //57625
				
				
				
				
				
				
		42 6 Printed Name:		MR /157625
2JSIBUV0667 18. Planner Mw/	APN 00050507	Printed Name:	36240 Wartin I	MR //57625 Sulliven Log Entry #

ASME SECTION XI – REPAIR / REPLACEMENT

Page <u>3</u> of <u>3</u>

1	<u>H-00A</u>			
2 Item Description: Safty Ir	njection (SI) pipe support.			
3. N-5 Data Package Number:	: <u>2SI09-3</u>	4. W.O. Number: 29	<u>32771</u>	
5. Original Construction Cod	e Edition: 1974 Edition, W	inter 1975 Addenda		
6. Original Installation Code	Edition: 1974 Edition, Win	ter 1975 Addenda	•	
	ove and install Dummy pipe of BL112, spool NOOD in accordance.			
8. ISI Flaw	· ·	NDE Method of Flaw Dete Report Number:	ction:	
9. Evaluation of the suitabilit		•		
Rewelding of this weld is	due to replacement of the SI	pipe sectioin with indication	ons most likely due to o	cavitation.
10 D :- (D1	da Occasionation - Al Company	Alta Canada		
10. Repair/Replacement Wor			1 Edition 1075 Winter	
11. Replacement Items Const12. Repair/Replacement Acti				
13. ASME Section XI Code/I	* '*		mion 1975 whiter Add	<u>ienaa</u>
•				
14. Preservice Inspection Rec	quired:	YES NO	•	
Initial Date Date	0-15-06 If required, i	nclude a step in the W.O. to	o perform Preservice In	rspection
5. ASME Section XI Pressu		☐ YES 🖾 NO		
Initial MML Date	0-15-06 If required, i	nclude a step in the W.O. f	or ISI & ANII Inspecti	on.
MALL SHO	16. Include	a step in the W.O. to verify	NIS-2 Form has been	completed by
Initial MM Date 1	0-15-06 ISI & A			
		NII prior to approving INP	525 Status.	completed by
Initial MML Date	17. Include	a step in the W.O. to record		
Initial MM Date 1	0-15-66 17. Include replacen	a step in the W.O. to record	l below all applicable r	numbers for
Initial MML Date	Part No.	a step in the W.O. to record nent items. Serial No.	l below all applicable r	MR/PO/WO No.
Initial MM Date 1	0-15-66 17. Include replacen	a step in the W.O. to record	l below all applicable r	numbers for
Initial MML Date	Part No.	a step in the W.O. to record nent items. Serial No.	l below all applicable r	MR/PO/WO No.
Initial MML Date	Part No.	a step in the W.O. to record nent items. Serial No.	l below all applicable r	MR/PO/WO No.
Initial MML Date	Part No.	a step in the W.O. to record nent items. Serial No.	l below all applicable r	MR/PO/WO No.
Initial MML Date	Part No.	a step in the W.O. to record nent items. Serial No.	l below all applicable r	MR/PO/WO No.
Initial MML Date	Part No.	a step in the W.O. to record nent items. Serial No.	l below all applicable r	MR/PO/WO No.
Initial MML Date	Part No.	a step in the W.O. to record nent items. Serial No.	l below all applicable r	MR/PO/WO No.
Initial MML Date	Part No.	a step in the W.O. to record nent items. Serial No. MA	l below all applicable r	MR/PO/WO No.
Initial MML Date	Part No. 435/009/	a step in the W.O. to record nent items. Serial No. A Printed Name:	Heat No. 35662	MR/PO/WO No.
Initial MML Date	Part No. 435/009/	a step in the W.O. to record nent items. Serial No. A Printed Name:	Heat No. 35662	MR/PO/WO No.
Initial MML Date	Part No. 435/009/	a step in the W.O. to record nent items. Serial No. A Printed Name:	Heat No. 35662 Martin J	MR/PO/WO No. 115 4 8 8 0 Solfibar Log Entry B
Initial MM Date	Part No. 435/009/	a step in the W.O. to record nent items. Serial No. MA Printed Name: Printed Name:	Heat No. 35662	MR/PO/WO No. 115 4 8 8 0 Solfibar Log Entry B
Initial MM Date I Item ID 2 5/-//2-H-00 A 18. Planner Signature 19. ISI Just 86	Part No. 435/009/ 10-15-66 Part No. 435/009/ 10-15- Date 10-15- Date 10/157 Date 10-15-	a step in the W.O. to record nent items. Serial No. A Printed Name: Printed Name: Printed Name:	Heat No. 35662 Martin J	MR/PO/WO No. 115 4 8 8 0 Solfibar Log Entry B

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	mpany, et. al.			Date		10/31/06	
P.O. Box	x 53999, Phoenix, A	Name <u>Arizona 85072</u> Address	<u>!-2034</u>		Sheet	1	of	2
2. Plant Palo Ver	de Nuclear Genera			. · <u></u>	Unit		2	
•	Wintersburg Rd., T	_{lame} Fonopah, Arizo	ona 85354-				2932771	
· - · · · · ·		Address					Work Order Number	
3. Work Performed by	y Arizona Public S	Service	· · · · · · · · · · · · · · · · · · ·		Type Co	de Sym	nbol Stamp	None
		ano			Authoriza	ation N	o. <u>N</u> /	/A
5801 S.	Wintersburg Rd., 7	Tonopah, Az 8.	5354-7529		Expiratio	n Date	N/2	<u>A 35</u>
and the state of t	0.6.1	,						
4. Identification of Sys	stem Saicty IIII	<u>schon</u>						
5. (a) Applicable Cor	nstruction Code ASM	1E Section III	19. <u>74</u> 1	Edition,	<u>W75</u>	Adde	nda, <u>N/A</u>	Code Case
(b) Applicable Edi	tion of Section XI Utiliz	zed for Repairs or	r Replacemer	nts 19	92 Edit	ion, 9	92 Adder	nda .
						·	· · · · · · · · · · · · · · · · · · ·	,
6. Identification of Co	omponents Repaired or	r Replaced and R	eplacement (Compor	nents			
Name of Item	Name of Manufacturer	Manufacturer Serial No.	National Board No.		ther ification	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)
Valve	Borg-Warner	SN 57646	NA	2JSIF	3UV667	1980	Replaced	Yes
/ Valve	Borg-Warner	SN 42	NA	2JSIF	BUV667	1997	Replacement	Yes
Pipe	Bechtel Power	NA	NA	2SIB1	12N00D	1981	Replaced	Yes
Pipe	NA	NA	NA	2SIB1	12N00D	2006	Replacement	No
Component Support	Bechtel Power	NA	. NA	2SI11	12H00A	1981	Replaced	Yes
Component Support	NA	NA	NA	2SI11	12H00A	2006	Replacement	No
							<u> </u>	
7 Description of Wor	k {note remarks o	on Daga 21						
7. Description of wor	K THOIC ICHIAINS O	II Fage 21						· ·
8. Test Conducted:	Hydrostatic P	Pneumatic 🔲	Nominal Ope	erating	Pressure		Exempt	N-416-1 🔲
	Other	Pressure 18	896psi			Test Te	emp. <u>94.8</u>	_°F
· · · · · · · · · · · · · · · · · · ·			٠.					
(2) information in it	atal sheets in form of ems 1 through 6 on ets is recorded at the	this report is inc	cluded on ea					

PV-E0092 Ver. 7 73DP-9ZZ17

FORM NIS-2 (Back)

					
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·			· · · · · · · · · · · · · · · · · · ·		
re-Pressure	Test Review: ISI	NA ANII	NA		
4 1		CERTIFICATE	OF COMPL	IANCE	
=	,	ade in the report a	re correct and t	his replacement o	conforms to the rule
of the ASME	Code, Section XI.		· ·	repair or replacement	
Type Code S	ymbol Stamp	N/A			
Certificate of	Authorization No.	N/A		Expiration Date	e N/A
Signed		n1/-	ENGR	 Date	10-31-06
oigricu	·/~	wner or Owner's Designe	-	Date	10
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					•
					·
·			1050110511	JODEON	
Sec.	CERT	IFICATE OF IN	NSERVICE II	NSPECTION	
	CERT	IFICATE OF IN	NSERVICE II	NSPECTION	
, the undersiq				NSPECTION nal Board of Boiler a	and Pressure Vess
		d commission issu	ed by the Natio	nal Board of Boiler a	and Pressure Vess
nspectors an	gned, holding a valid d the State or Provi	d commission issu	ed by the Natio _ and employe	nal Board of Boiler a	
nspectors an of <u>Hartfor</u>	gned, holding a valid d the State or Provi d, Connecticut,	d commission issunce of Az	ed by the Natio _ and employe ne components	nal Board of Boiler and by <u>HSB CT</u> described in this Ov	vner's Report durin
nspectors an of <u>Hartfor</u> he period	gned, holding a valid d the State or Provi d, Connecticut, locustose to	d commission issunce of Az have inspected to	ed by the Natio _ and employe ne components, and sta	nal Board of Boiler and by HSB CT described in this Ow te that to the best of	vner's Report durin f my knowledge an
nspectors an of <u>Hartfor</u> he period pelief, the Ow	gned, holding a valid d the State or Provi d, Connecticut to ner has performed	d commission issunce of Az have inspected to the commission issued to the commission is and	ed by the Natio _ and employe ne components, and sta taken correctiv	nal Board of Boiler and by HSB CT described in this Owate that to the best of the measures describe	vner's Report durin f my knowledge an
nspectors an of <u>Hartfor</u> he period pelief, the Ow	gned, holding a valid d the State or Provi d, Connecticut, locustose to	d commission issunce of Az have inspected to the commission issued to the commission is and	ed by the Natio _ and employe ne components, and sta taken correctiv	nal Board of Boiler and by HSB CT described in this Owate that to the best of the measures describe	vner's Report durin f my knowledge an
nspectors an of <u>Hartfor</u> he period pelief, the Ow	gned, holding a valid d the State or Provi d, Connecticut to ner has performed	d commission issunce of Az have inspected to the commission issued to the commission is and	ed by the Natio _ and employe ne components, and sta taken correctiv	nal Board of Boiler and by HSB CT described in this Owate that to the best of the measures describe	vner's Report durin f my knowledge an
nspectors an of <u>Hartfor</u> he period pelief, the Ow Report in acc	gned, holding a valid d the State or Provi d, Connecticut , lo-15-06 to ner has performed of ordance with the red	d commission issunce of Az have inspected the commissions and quirements of the	ed by the Natio _ and employe ne components, and sta taken correctiv ASME Code, So	nal Board of Boiler and by HSB CT described in this Owate that to the best of the measures describe	vner's Report durin f my knowledge an ed in this Owner's
nspectors and Martform Herperiod Delief, the Ow Report in accuracy signing this	gned, holding a valid of the State or Provided, Connecticut to the state of the sta	d commission issuence of Az have inspected the commission issuence of Az have inspected the commission issuence of the commission is an examination in the commission is an examination in the commission is an examination in the commission is an examination in the commission in the commission is an examination in the commission in the commission is an examination in the commission in the commission is an examination in the commission in the commission in the commission is an examination in the commission in the c	ed by the Natio _ and employe ne components, and sta taken correctiv ASME Code, So	nal Board of Boiler and by HSB CT described in this Ovate that to the best of the measures describe ection XI.	vner's Report durin f my knowledge an ed in this Owner's expressed or impli
nspectors an of <u>Hartfor</u> he period belief, the Ow Report in accordance with the concerning this concerning the second concerning the co	gned, holding a valid the State or Provided, Connecticut, to the content of the c	d commission issumed to the inspector nor decorrective measures.	ed by the Natio and employe ne components and sta taken correctiv ASME Code, So his employer mares described in	anal Board of Boiler and by HSB CT described in this Owner that to the best of the measures described ection XI. The makes any warranty, in this Owner's Repo	vner's Report durin f my knowledge an ed in this Owner's expressed or impli ert. Furthermore,
Inspectors an of <u>Hartfor</u> the period belief, the Ow Report in according this concerning the neither the Inspectors and the concerning the period of the concerning the period of the concerning the	gned, holding a valid the State or Provided, Connecticut, to the second produce with the received and the second produce with the received and the second produce with the received and the second produce with the received and the second produce with the received and the second produce with the received and the second produce with the second	d commission issumed to the inspector of the inspector nor corrective measuring to the inspector shall be liable.	eed by the Natio and employe ne components and state taken corrective ASME Code, So his employer mares described in	anal Board of Boiler and by HSB CT described in this Owner best of the measures described ection XI. The makes any warranty, on this Owner's Report for any personal in the desired and the measures described er for any personal in the desired and the measures described er for any personal in the desired and the measurement of the meas	vner's Report durin f my knowledge an ed in this Owner's expressed or impli ert. Furthermore,
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PV-E0092 Ver. 7 BACK

FURMIN-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

As Required by the Provisions of the ASME Code, Section III Not to Exceed One Day's Production

Pg. 1 of _2

anufactured and certified by BH/IP INTERNATIONAL INC PUMP DIV. LOS ANGELES OPERATION 2300 E VERMON AVE. VERMON CA 90058 iname and address of NPT Certificate Holder) ured for ARIZONA PUBLIC CENTER CO. PVNGS OPERATIONS, 4 MI. S. WINTERSBURG RO., WINTERSBURG AZ. 85343 (name and address of Purchaser) xcation of installation ARIZONA PUBLIC SERVICE CO. PVNGS OPERATIONS, 4 MI. S. WINTERSBURG RD., WINTERSBURG AZ. 85343 76436, REV.B ASME SA182, F316 75,000 PSI N/A WINTER 1975 SME Code, Section III, Division 1: ... bricated in accordance with Const. Spec. (Div. 2 only) . _ Revision marks: BW/IP JOB NO. 965N6551 BODY PARTNAME: NAMEPLATE ATTACHED BY WIRE HYDROSTATIC TESTING NOT PERFORMED PRESSURE CLASS: 1500# Min. design thickness (in.) N/A Dia. ID (ft & in.) N/A Length overall (ft & in.) M/A m. thickness (in.) __N/A_ nen applicable, Certificate Holders' Data Reports are attached for each item of this report: Part or Appurtenance National National Part or Appurtenance Serial Number Board No. Serial Number Board No. in Numerical-Order in Numerical Order 234800 SN42 N/A (26)300 SN51 N/A (27). (28) (29)(30) (31) (32).(33)(34) (37) $(38)_{-}$ (39).(40). $(41)_{-}$ (43) = $(44)_{-}$ (46) ___ $(48)_{-}$ (49)

rotal information in the form of lists, sketches, or drawings may be used provided (1) size is 8½ × 11, (2) Information in items 2 and 3 on this Data Report in each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

350/100

. psi. Temp.

ure 2050/3600

__ °F. Hydro, test pressure _

FORM N-2 (Back - Pg. 2 of 2)

Design report* certified by N/A P.E. State N/A Reg. no. N/A P.E. State N/A P.E. Stat		CERTIFICATION OF DE	SIGN			
Design report* certified by BI/A Reg. no. We certify that the statements made in this report are correct and that BES (these) BODY	Desage against to Water certified by			P.E. State _	n/a	Reg. no
We certify that the statements made in this report are correct and that BBS (these) Conforms to the rules of construction of the ASME Code, Section III, Division 1. NPT Certificate of Authorization No. N-1131 Expires JUNE 10, 1999 Date 1-23-97 Name BB/IP INTERNATIONAL INC. Signed Signed Signed Section Representative) CERTIFICATE OF INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of CALIFORNIA and employed by ARSSECIGIT RUTUAL INS. CO. FACTORY BUTUAL PROTECTION of RUSSOOD, RASS. have inspected these items described in this Data Report on 1/24/97, and atta best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtamences in accordance with the ASME (III, Division 1. Each part listed has been authorized for stamping on the date shown above. By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipm in this Data Report. Furthermore, neither the inspector nor his employer shell be liable in any manner for any personal injury or proper	Design report® certified by	N/A				
CERTIFICATE OF INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Bolier and Pressure Vessel Inspectors and the State of MORECOD. MASS. have inspected these items described in this Data Report on 12497. and at the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME (III, Division 1. Each part listed has been authorized for stamping on the date shown above. By signing this certificate, neither the inspector nor his employer shall be liable in any menner for any personal injury or proper in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any menner for any personal injury or proper in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any menner for any personal injury or proper		CERTIFICATE OF COMP	LIANCE			
CERTIFICATE OF INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of MORSOOD, MASS, have inspected these items described in this Data Report on 12497, and at the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME (III, Division 1. Each pert listed has been authorized for stamping on the date shown above. By signing this certificate, neither the inspector nor his employer shall be liable in any menner for any personal injury or proper in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any menner for any personal injury or proper in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any menner for any personal injury or proper	We cortify that the statements made in	n this report are correct and that 题题 (these)	BODY		· .	
Date 1-23-97 Name BR/IP INTERNATIONAL INC. CERTIFICATE OF INSPECTION CERTIFICATE OF INSPECTION CERTIFICATE OF INSPECTION CALIFORNIA and employed by ARSERIGHT MUTUAL INS. CO. FACTORY MUTUAL PROJECTION ASSOCIATION of ROSSOOD. MASS. have inspected these items described in this Data Report on 1/24/97, and states of the state of						
CERTIFICATE OF INSPECTION The undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors and the State of CALIFORNIA and employed by ARSECIGHT KUTUAL INS. CO. FACTORY KUTUAL ENGINEERING ASSOCIATION of HORSOOD, KASS. have inspected these items described in this Data Report on	NPT Certificate of Authorization No	(- 1131	Expires .	June 10	0, 1999	
i, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors and the State of CALIFORNIA and employed by ARSECISHT EUTUAL INS. CO. FACTORY BUTUAL EXCHANGE ASSOCIATION of MOSSOCIATION have inspected these items described in this Data Report on 1/24/97, and states of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenences in accordance with the ASME (III, Division 1. Each part listed has been sutherized for stamping on the date shown above. By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or proper	Date 1-23-97 Name BR/I	P INTERNATIONAL INC. (NPT Cortificans Holder)	Signed	folist q	Constitution resp	The recentative)
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	best of my knowledge and belief, the (Iti, Division 1. Each pert listed has been By signing this certificate, neither the i	Certificate Holder has fabricated these parts a authorized for stamping on the date shows inspector nor his employer makes any warra	or appurtance n above. anty, expresse	nces in accorda	oncerning	the equipmen
			ble in any ma	ner for any pe	rsonal inju	ry or property

	ASME SECTION A	II – REI AIR / REFLA	5	ro l of l						
 Component ID 2JSIBUVO Item Description: 2" Y sty N-5 Data Package Number: Original Construction Code Original Installation Code I Work Description: Assen ISI Flaw Evaluation of the suitability 	667 Vie globe 2SI09-3 Edition: 1974 Edition, Wiedition, Wienble valve internals into nev	4. W.O. Number: 2! Vinter 1975 Addenda nter 1975 Addenda w valve body. NDE Method of Flaw Dete Report Number: n/a	Pag 932920	ge of						
	E III pressure boundary. Wil		ure valve is in good c	ondition.						
11. Replacement Items Constituted 12. Repair/Replacement Activity 13. ASME Section XI Code/Education 14. Preservice Inspection Requiring Date Date Date Initial Date Date Date Date Date Date Date Date	15. ASME Section XI Pressure Test Required: XYES NO Initial Date 10-21-6 If required, include a step in the W.O. for ISI & ANII Inspection. Initial Date 10-21-6 If. Include a step in the W.O. to verify NIS-2 Form has been completed by ISI & ANII prior to approving INP525 Status.									
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.						
Modification Kit	APN 45004518	N/A	N/A	MR 115196						
Bonnet	same	12 Del Narde	6 56060	same						
Disc	same	2 X4 10/24/06	M8818 -	same						
Seal Weld	N/A	N/A	N/A	N/A						

PV216-08NI (8-88)

ACT STOP

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 Co	mpany, et. al.		Date:	10/31/200	6				
<u>P. O. Box 53999, Phoenix Arizona 85072-2034</u> Sheet: <u>1</u> of <u>2</u>										
2. Plant: Palo Verde Nuclear Generating Station Unit: 2										
<u>5801 Sou</u>	5801 South Wintersburg Road., Tonopah, Arizona 85354-7529 Work Order Number 2932920									
3. Work Performed b	y: <u>Arizona Public S</u>	ervice Co.		Type o	of Code Sta	mp <u>None</u>				
	5801 S. Wintersb	urg Rd., Tonopah, A	<u> Arizona, 85354</u>	1-7529 Author	rization No	. <u>N/A</u>				
4. Identification of S					tion Date	ig."				
5. (a) Applicable Co				974 Edition, Wint			e Case			
	dition of Section XI				n, 1992 A	<u>ddenda</u>				
6. Identification of C	Components Repaired	d or Replaced and F	Replacement C							
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or NO)			
Valve	Borg-Warner	57646	N/A	2JSIBUV667	1980	Replaced	YES			
Valve Body	Borg-Warner	SN 42	N/A	2JSIBUV667	1983	Replacement	YES			
Bonnet	Borg-Warner	56060-12	N/A	2JSIBUV667	2004	Replacement	YES			
						<i>.</i>				
				,						
7. Description of Work: (note remarks on page 2)										
8. Test Conducted:	Hydrostatic	Pneumatic	Nominal Ope	rating Pressure	Exen	npt N-41	6-2 🗌			
Other Pressure 1896 psi Test Temperature 94.8 °F										
inches, (2) infor	mental sheets in for mation in items 1 t eets is recorded at	hru 6 on this repo	ort is included							

FORM NIS-2 (Back)

Hemarks	This Work Order (2932920) was utilized to install a modification kit in a new valve hody. This
	valve was installed under WO 2932771
٠,	
Pre-Press	sure Test Review: ISINANANA
	CERTIFICATE OF COMPLIANCE
	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
Certifica	te of Authorization No. N/A Expiration Date N/A
Signed_	Owner or Owner's Designee, Title Date 10/31/06
*	CERTIFICATE OF INSERVICE INSPECTION
	dersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel rs and the State or Province of Assess and employed by HSB CT
of <u>Ha</u>	rtford, Connecticut, have inspected the components described in this Owner's Report during to 10-23-06 to 10-31-06, 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 t	ng 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.
· -	22 Aption Commissions Az 264
	Inspector's Signature Commissions National Board, State, Province, and Endorsements

PV-E0092 Ver. 7 BACK 73DP-9ZZ17

HURIN N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

As Required by the Provisions of the ASME Code, Section III Not to Exceed One Day's Production

Pg. 1 of _2_

### ARIZUNA PUBLIC SERVICE CO. PVINCS OPERATIONS, 4 MI. S. WINTERSBURG RD., WINTERSBURG AZ. 853 Main	ured for ARLEANN FULL	LU WAR THE	Iname and ad	dress of Purchaser)	RD., WINTERSBURG AZ. 85343
GAS6 REV.B ASRE SAISE, F316 75,000 PST N/A 1997	of installation ARIZONA	PUBLIC SERVICE CO. PV	NGS OPERATION	S, 4 MI. S. WINTERSET	IKG RO., WINTERSBURG AZ. 853
			3	me and address)	
Description Division 1: 1974 MIPTER 1975 2 M/A Code Case re. Code Case re. C	6436, REV.B	ASEE SA182, F316			
maccordance with Const. Spec. (Div. 2 only) M/A Revision M/A Date M/A Length overall (it & in.) M/A Length overall (it & in.) M/A Monorable Date M/A Date M/A Date M/A Length overall (it & in.) M/A M/A Date M/A Date M/A Length overall (it & in.) M/A M/A Date M/A Date M/A Length overall (it & in.) M/A M/A Date M/A Length overall (it & in.) M/A M/A Date M/A Length overall (it & in.) M/A M/A Date M/A Length overall (it & in.) M/A M/A Date M/A Length overall (it & in.) M/A M/A Date M/A Length overall (it & in.) M/A M/A Length o		•			
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BR/TP JOB NO. 965N6551 PARINAME: BODY					
PRESSURE CLASS: 1500# Extenses (in.) M/A Min. design thickness (in.) M/A Dia, ID (ft & in.) M/A Length overall (ft & in.) M/A Silicable, Certificate Holders' Data Reports are attached for each item of this report: To or Appurtenance Nectional Board No. in Numerical-Order Nectional Board No. in Numerical-Order Next or Appurtenance Serial Number Board No. in Numerical-Order 1 (26) (27) (28) (29) (30) (31) (31) (32) (33) (34) (34) (35) (36) (37) (36) (37) (38) (39) (40) (40) (41) (41) (42) (43) (44) (45) (46) (47) (48)	d in accordance with Co	inst. Spec. (Div. 2 only)	(rou)	Revision	D819
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FORM N-2 (Back — Pg. 2 of 2

		Certificate Holder's	Serial Nos.	324800	<u>5842</u> thr	ough _3:
	CERTIFIC	ATION OF DESIGN				
Des Since certified by	R/A (when appl	cable)	1	P.E. State	R/A	. Reg. no.
Design report® certified by	H/A (when applicable			P.E. State	N/A	Reg. no.
					<u></u>	
	CERTIFICAT	TE OF COMPLIANC	Æ			
We certify that the statements made in	this report are correct and th	at 200 (these)B	ODY			
conforms to the rules of construction of	the ASME Code, Section III,	Division 1.	· · · · · · · · · · · · · · · · · · ·			
NPT Certificate of Authorization No	-1131		Expires	June 1	0, 1999	
Date 1-23-97 Name BE/IP	INTERNATIONAL INC.	Si	aned	Sheet!	8 mot	100
	OPT Certificate Holder				sushorized sector	pentative)
	CERTIFICA	TE OF INSPECTION	ł	,	-	
I, the undersigned, holding a valid comm	ission issued by the Nations by ARKERIGHT BUTUAL IN	il Board of Boller and S. CO. FACTORY	d Pressure \ MUTUAL ES	essel insp	octors and to G ASSOCIA	he State of
	ected these items described			24/9	7	_, and stat
best of my knowledge and belief, the Co				in accord	ance with th	a ASME C
III, Division 1. Each pert listed has been					•	
By signing this certificate, neither the in						
in this Data Report. Furthermore, neither		yer shell be liable in	any manner	for any pe	orsonal injury	or propert
loss of any kind arising from or connects	with this rispection.		ı,		" -	
Dette //24/97 Signed 27	VAUSTONIA INDICATION		ommissions	NBI-1	5 CA	7 /86

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL **NUCLEAR PARTS AND APPURTENANCES***

As Required by the Provisions of the ASME Code, Section III Not to Exceed One Day's Production

Pg. 1 of _2

1. Manufactured and certified by F	lowserve Corporation	, 1900 S. Saunders St., R	aleigh, NC 27	603
2. Manufactured for Arizona P		(name and address of NP1 Car	nincate Holder)	
3. Location of installation APS -	Palo Verde Nuclear St	tation, 5801 S. Wintersb	urg Rd., Tono	pah, AZ 85354
· · · · · · · · · · · · · · · · · · ·		(name and address)	N/A	
4. Type 306FCB3-010 & 011*	(met'i. spec. no.)	(tensile strength)	. (CRN)	2004 (year built)
5. ASME Code, Section III, Division 1:	1974	Summer, 1975	2	None
5. ASME Code, Section III, Division 1:	(edition)			(Code Case no.)
6. Fabricated in accordance with Con-	st. Spec. (Div. 2 only)	N/A Revision	N/A	DateN/A
Ponnet for 2" 151	00# Y-Globe Valve (Q	(no.)		
7. Remarks: Boillet 101 2 130	JOH 1-GIODE VAIVE (Q	(Ly. 2)	·	· · · · · · · · · · · · · · · · · · ·
*Revision A				S. O. 27694
8. Nom. thickness (in.) N/A	Min design thickness (in)	Per #4 Dia ID (fr & in)	N/A Lanc	
9. When applicable, Certificate Holder			Leng	an Overan (it at hin)
Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appu Serial Nu		National Board No. in Numerical Order
(1) 56060-11	N/A	1 1,00		
(1) 56060-12	N/A	(26)		
(3)		(28)	·	
(4)		(28)(29)		•
(5)		(30)		
(6)		(31)		
(7)		(32)		
(8)		(33)		
(9)		(34)		
(10)		(35)		
(12)		(36)		· · · · · · · · · · · · · · · · · · ·
(13)		(38)		
(14)		(39)		
(15)		(40)		
(16)	<u> </u>	(41)		
(17)		(42)		
(18)		(43)		
(19)	 	1 1		
(20)		(45)		
(21)		(46)		
(22)	,	(48)		
(23)		(49)	the state of the s	1
(25)		(50)		
1237				
2050	_	350 •E Hudeo		N/A at temp. *F
10. Design pressure	psi. Temp	F. Hydro.	test pressure	(when applicable)

^{*} Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 81/2 x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM N-2 (Back — Pg 2 of ____)

· · · ·	Certificate Hol	der's Serial Nos	through
	CERTIFICATION OF	DESIGN	
Design specifications certified by	(when applicable)	P.E. State	
Design report* certified by	(when applicable)	P.E. State	Reg. no.
	CERTIFICATE OF CO	MPLIANCE	
		Part(s)	
1	n this report is correct and that this (the of the ASME Code, Section III, Division 1.	:se/	
NPT Certificate of Authorization No. —	N-1563	Expires Nov	vember 26, 2006
		\ \ \ \ \	
Date 4/22/04 Name -	Flowserve Corporation	Signed	الحکار ل
	(NPT Certificate Holder)		(authorized representative)
	CERTIFICATE_OF_IN	SPECTION	
	nmission issued by the National Board o	f Boiler and Pressure Vessel In:	spectors and the State or Province
of North Carolin and employed by	eve inspected these items described in th	is Data Banart as 4-2	2-04 and state that so the
	Certificate Holder has fabricated these pa		
	n authorized for stamping on the date sh		
	nspector nor his employer makes any wa		oncerning the equipment described
	er the inspector nor his employer shall be		
or loss of any kind arising from or cor	inected with this inspection.		•
Date 4-30-04 Signed	() () () () () () () () () ()	50	2/08/3
Date	(Authorized Nuclear Inspector)	Commissions	i. endorsements) and state or prov. and no.]

ASME SECTION XI – REPAIR / REPLACEMENT Page 1. Component ID 2SI100H020 2.. Item Description: 1/4 KIP Snubber 3. N-5 Data Package Number: 2SI09-2 4. W.O. Number: 2933793 5. Original Construction Code Edition: 1974 Edition, Winter 1978 Addenda 6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda 7. Work Description: Replace the snubber due to failed snubber test. 8. ISI Flaw NDE Method of Flaw Detection: Report Number: 9. Evaluation of the suitability of this work as per the requirements of IWA - 4150: The snubber failure is most likely due to pipe vibration not faulty snubber design. A "like for like" replacement is being performed. 10. Repair/Replacement Work Organization: Arizona Public Service 11. Replacement Items Construction or reconciled Code/Edition: Sec. III NF Cl 2, 1974 Edition Winter 1975 Addenda 12. Repair/Replacement Activity Construction Code/Edition: Sec. III NF Cl 2, 1974 Edition Winter 1975 Addenda 13. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 14. Preservice Inspection Required: If required, include a step in the W.O. to perform Preservice Inspection Initial DWS Date 10/25/2006 ⊠ NO 15. ASME Section XI Pressure Test Required: ☐ YES If required, include a step in the W.O. for ISI & ANII Inspection. Initial DWS Date 10/25/2006 16. Include a step in the W.O. to verify NIS-2 Form has been completed by Initial DWS Date 10/25/2006 ISI & ANII prior to approving INP525 Status. 17. Include a step in the W.O. to record below all applicable numbers for Initial DWS Date 10/25/2006 replacement items. Heat No. Item ID Part No. Serial No. MR/PO/WO No. 1/4 KIP Snubber 1801104-05 N/A ₩O #2665816 ₩ 23672 1156764 Printed Name: David Shaffer Printed Name: DAVID SHAFFA Log Entry R.G. HOGSTROM 10-25-06 Printed Name:

V216-08NI (8-88)

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

As Required by the Provisions of the ASME Code Section XI

				<u>:</u>					
1. Owner: Arizo	na Public Service	Company, et. al.		Date: <u>10</u>	/25/2006				
<u>P. O. Box 53999, Phoenix Arizona 85072-2034</u> Sheet: <u>1</u> of <u>2</u>									
2. Plant: Palo V	^v erde Nuclear Gen	erating Station		Unit: <u>2</u>					
<u>5801 S</u>	South Wintersburg	Road., Tonopah, A	rizona 8535	54-7529 Work Ord	ler Numbe	r <u>2933793</u>			
3. Work Performe	d by: <u>Arizona Publi</u>	c Service		Type of C	ode Stamp	None .			
		. 	·'	Authoriza	tion No.	<u>N/A</u>			
				Expiration	n Date N/	<u>A</u> .			
4. Identification o	f System: Safety In	jection - "SI"							
5. (a) Applicable	Construction Code 2	ASME Section III NF	, Class 2	1974 Edition, Winter	1 <u>976</u> Adde	nda, <u>1644-5</u> Coo	le Case		
(b) Applicable	Edition of Section 2	KI Utilized for Repair	s or Replace	ments: 1992 Edition	<u>, 1992 Ac</u>	ldenda	•		
6. Identification of	f Components Repai	red or Replaced and l	Replacement	Components		· .			
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or		
,,,			22				No)		
1/4 KIP Snubber	Pacific Sceintific	38177	N/A	2SI100H020	1980	Replaced	YES		
1/4 KIP Snubber	Pacific Sceintific	23672	N/A	2SI100H020	1981	Replacement	YES		
· · · · · · · · · · · · · · · · · · ·									
						·			
						,			
7. Description of Work: Replaced the Snubber due to failed snubber test									
8. Test Conducted:	Hydrostatic	Pneumatic [Nomi	nal Operating Pressur	e 🔲 - 1	Exempt 🛛			
N-416-2 Other Pressure psi Test Temperature of									
148.00									
				ngs may be used pro					

and the number of sheets is recorded at the to of this form.

	FORM NIS-2 (Back)
9.	
	snubber S/N 23672.
Pr	re-Pressured Test WO Review – ISI
	ANII
	Certificate of Compliance
	We certify that the statements made in the 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: 151 ENC Date: 19/28/06
)	
	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>HSB CT</u> of <u>Hartford, Connecticut</u> , have inspected the components described in this Owner's report during the period of <u>o-25-oc</u> , and state that to the best of my knowledge and belief, the Owner has performed
	evaminations and taken corrective measures described in this Owner's Report in accordance with the

requirements of the ASME Code, Section XI.

	ASME SECTION 2	XI – REPAIR / REPL	ACEMENT	1
			Pa	age of
1. Component ID 2PRCEV2	243			
2 Item Description: Gate v	alve	• •		
্রি. N-5 Data Package Number	· 	4. W.O. Number: 2	<u> 1934186</u>	
5. Original Construction Cod	· .		•	
6. Original Installation Code		inter 1975 Addenda		•
7. Work Description: Bong	net replacement	NDE Mothed of Flory Do	·aatia-	•
8. ISI Flaw		NDE Method of Flaw De Report Number:	lection:	
9. Evaluation of the suitabilit	y of this work as per the rec	- ·		
Replacing the bonnet due	to damage on the sealing s	urface.		
				• •
	•		•	
10. Repair/Replacement Wor	k Organization: Arizona I	Public Service		in the second se
11. Replacement Items Const	the state of the s			
12Repair/Replacement Acti	·		Edition 1975 Winter A	Addenda'
13. ASME Section XI Code/			•	
14. Preservice Inspection Rec	quired:	☐ YES 🔀 NO		
Initial Mass. Date 10	-)2-06 If required,	include a step in the W.O.	to perform Preservice	Inspection
15. ASME Section XI Pressu	re Test Required:	YES NO		
nitial ML Date <u>l</u>	0-22-06 If required,	include a step in the W.O.	for ISI & ANII Inspec	ction.
		e a step in the W.O. to verif	v NIS-2 Form has bee	en completed by
Initial ML Date	ISI & A	ANII prior to approving INI		Joinproton 5 y
Initial MIL Date _		e a step in the W.O. to recorment items.	d below all applicable	e numbers for
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
Bonnet	APN 45060169	11	N/A	MR 1155343
Domine	1011 1500010)			WIK 1133343
	·			
<u></u>				
111 11	11/2 (2)	22-06	<i>A</i> 1 C	
18. Planner May Signature	D:	Printed Name:	Martin 2	ullivan
The state of the s				1~
19. ISI Roma kant Indep Signature	per telecom Miffele.	10-)2-06 Printed Name:	Romakant Indop	Log Entry 170'
D. ANII Robert Hogstroe	11	11 10-22-06	A (, , , , , , , , , , , , , , , , , ,	
D. ANII Kotert Hoyston	n pertelecon Mall	Printed Name:	Cobert Hogstrom	<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 <u>Arizona</u>	Public Service Co	mpany, et. al.			Date		11/03/06	
P.O. Box 53999, Phoenix, Arizona 85072-2034						1	of	2
2. Plant Palo Ver	de Nuclear Genera	ating Station		<u> </u>	Jnit		2	· · · · · · · · · · · · · · · · · · ·
	Wintersburg Rd., 1	_{Name} Fonopah, Arizo	ona 85354-	-7529	· 		2934186	
*	A	Address					Work Order Number	
3. Work Performed by		Service		T	ype Cod	de Syn	nbol Stamp	None
	•	, .		A	uthoriza	ation N	loN	<u>/A</u>
5801 S. V	Wintersburg Rd., 7	Tonopah, Az 8	5354-7529	<u>) </u>	xpiration	n Date	N/.	<u>A</u>
4. Identification of Sys	D.C.	Bu 555		··-	• • •			
5 (a) Applicable Cor	nstruction Code ASM	//F Section III	1974	Edition	W75	∆dde	anda N/A	Code Case
						٠.		**
(b) Applicable Edit	tion of Section XI Utiliz	red for Repairs or	r Replacemen	nts 19 <u>9</u>)2 Editi	ion, S	<u>)2 </u>	ıda
6. Identification of Co	mponents Repaired o	r Replaced and R	leplacement (Compone	nts			
Name of Item	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Oth Identific		Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)
Valve	Borg Warner	51716	NA	2PRCE	V243		Repaired	Yes
Bonnet	Borg Warner	11	NA	N/	4	1992	Replacement	Yes
						1		
		:						37 187
, yes						•		,
7. Description of Work 8. Test Conducted:		· · · · · · · · · · · · · · · · · · ·	marks on Pa		essure		Exempt .	N-416-1 🔲
	Other	Pressure 2213	35 psi		7	Test Te	emp. <u>521</u>	_°F
(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					

<u> </u>							•	
-								
·								
re-Pressui	re Test Review: I	SI_DBH	/1-3-0- ANÍI	1/2 n-c-06		• .		
	,			OF COMP	LIANCE			
•	that the statemer IE Code, Section		the report	are correct and	this replace		nforms to th	e rules
Type Code	Symbol Stamp_		N/A			1.		,
Certificate	of Authorization I	No	N/A		Expira	tion Date	N/A	
Signed		D.R.	1/-	e	NIR	Date _	11-9-0	6
		Dwner or	Owner's Design	ee, Title				
	rsigned, holding a	a valid com	mission iss		onal Board of	Boiler and	d Pressure	Vessel
nspectors,	rsigned, holding a and the State or	a valid com Province of	mission issi	ued by the Nati and employ	onal Board of ed by <u>HSB</u>	Boiler and	<u> </u>	
nspectors, of <u>Hartf</u> he period	rsigned, holding a and the State or ord, Connecticu 10-22-06	a valid com Province of ut, have to	mission issi f. Acted a inspected t	ued by the Nati and employ the component , and s	onal Board of ed by <u>HSB</u> s described in tate that to the	i Boiler and CT I this Owned So best of m	er's Report by knowledg	during je and
nspectors, of <u>Hartf</u> he period pelief, the 0	rsigned, holding a and the State or ord, Connecticu co-22-oc Owner has perfor	a valid com Province of at, have to med exami	mission issi f کری کی inspected t ۱۱۰۹-۵6 inations and	ued by the Nati and employ the component, and so	onal Board of ed by <u>HSB</u> s described in tate that to the ve measures	i Boiler and CT I this Owned So best of m	er's Report by knowledg	during je and
nspectors, of <u>Hartf</u> he period pelief, the 0	rsigned, holding a and the State or ord, Connecticu 10-22-06	a valid com Province of at, have to med exami	mission issi f کری کی inspected t ۱۱۰۹-۵6 inations and	ued by the Nati and employ the component, and so	onal Board of ed by <u>HSB</u> s described in tate that to the ve measures	i Boiler and CT I this Owned So best of m	er's Report by knowledg	during je and
nspectors, of <u>Hartf</u> he period pelief, the C	rsigned, holding a and the State or ord, Connecticu co-22-oc Owner has perfor	a valid com Province of to to med examine requiren	mission issif. Access inspected to the control of the	ued by the Nati and employ the component and side taken correction ASME Code, \$	onal Board of ed by HSB s described in tate that to the ve measures Section XI.	Boiler and CT this Owner best of mediated	er's Report ly knowledg in this Own	during je and er's
nspectors, of <u>Hartf</u> he period pelief, the C Report in a By signing concerning heither the	rsigned, holding a and the State or ord, Connecticuto-22-04 Dwner has perfor ccordance with the examinations in the examinations in the examination of the examinati	a valid com Province of to to med exami ne requirent either the Instance corre	mission issing inspected to the inspector not be inspector not be inspector measured.	ued by the Nati and employ the component, and so taken correcti ASME Code, so this employer tures described to the solution of the sol	onal Board of ed by HSB s described in tate that to the ve measures Section XI. makes any wain this Owner for any per	Boiler and CT this Owner best of modescribed arranty, ex	er's Report by knowledg in this Own pressed or Furthermo	during je and er's implied
nspectors, of <u>Hartf</u> he period pelief, the C Report in a By signing concerning heither the	rsigned, holding a and the State or ord, Connecticuto-22-02 Dwner has perforecordance with the this certificate, not the examinations	a valid com Province of to to med exami ne requirent either the Instance corre	mission issing inspected to the inspector not be inspector not be inspector measured.	ued by the Nati and employ the component, and so taken correcti ASME Code, so this employer tures described to the solution of the sol	onal Board of ed by HSB s described in tate that to the ve measures Section XI. makes any wain this Owner for any per	Boiler and CT this Owner best of modescribed arranty, ex	er's Report by knowledg in this Own pressed or Furthermo	during je and er's implied
nspectors, of <u>Hartf</u> he period pelief, the C Report in a By signing concerning heither the	rsigned, holding a and the State or ord, Connecticuto-22-04 Dwner has perfor ccordance with the examinations in the examinations in the examination of the examinati	a valid com Province of to to med exami ne requirent either the Instance corre	mission issing inspected to the inspector not be inspector not be inspector measured.	ued by the Nati and employ the component , and si d taken correcti ASME Code, si r his employer ures described the in any mann ected with this i	onal Board of ed by <u>HSB</u> s described in tate that to the ve measures Section XI. makes any wain this Owner for any pernspection.	Boiler and CT this Owner best of modescribed arranty, exercise Report.	er's Report by knowledg in this Own pressed or Furthermo	during je and er's implied
nspectors, of Hartf he period belief, the Caport in a By signing concerning neither the	rsigned, holding a and the State or ord, Connecticuto-22-04 Dwner has perfor ccordance with the examinations in the examinations in the examination of the examinati	a valid com Province of to to med exami ne requirent either the Instance corre	mission issing inspected to the inspector not be inspector not be inspector measured.	ued by the Nati and employ the component, and so taken correcti ASME Code, so this employer tures described to the solution of the sol	onal Board of ed by HSB s described in tate that to the ve measures Section XI. makes any wain this Owner for any pernspection.	Boiler and CT this Owner best of modescribed arranty, exis Report.	er's Report by knowledg in this Own pressed or Furthermo	during je and er's implied re, ty

PV-E0092 Ver. 7 BACK 73DP-9ZZ17

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT OR IDENTIFICATE HOLDERS' DATA REPORT OF IDE

١.	Manufactured and certified byBE/1	P INTERNATIONAL,	INC. PURP DIV.	LOS ANGELES	OPERATIONS 23	OO E. VERNON AVE	CA 9005
2.	Manufactured for ARIZONA PUBLIC	SERVICE 4 MT SO	. WINTERSBURG, V	DATERSBURG,		3	
	ADT ZOMA DITE	LIC SERVICE 4 HU	(name and address	a of Purchaser!	-	• •	
3.	Location of installation			and address!			
4.	Type: 73666 REV. D SA3	SI GR CIPBLE	70,000 PSI		M/X (CRN)	1992 (year built)	·
	(drawing no.) ASME Code, Section III, Division 1:	(met'l. spec. no.)	tensile strengthi		1	H/A	• .
b.	ASME Code, Section III, Division 1:	(edition)	(addenda dat	· ·	(Ciasa)	(Code Case no.	
6.	Fabricated in accordance with Const. S	Spec. (Div. 2 only)	H/A	Revision	<u>/A</u> 1	Date W/A	
7.	Remarks: BW/IP JOB NO. 901-L-	-2137		PART NAME —	BOMBIET MACHI	MED	
	HYDROSTATIC TESTING			'	*.	•	
							

Min. design thickness (in.) N/R

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

	1		
Part or Appurtenance	National	Part or Appurtenance	National
Serial Number	Board No.	Serial Number	Board No.
	in Numerical Order		- in Numerical Order
1) RS 221260 SN 10	N/A		
1) 22 271200 58 10	N/A	(26)	
2) RS 221260 SN 11 V	N/A	(27)	
RS 221260 SW 13	H/A	(28)	/
70 221260 CW 14 .	N/A	(29)	
D) <		(30)	
3)	 	(31)	
3)		(33)	
		(34)	
		(35)	
		(36)	
2)		(37)	/
3)		(38)	
		(39)	X
5)		(40)	
6)	X	(41)	
7)		(42)	
		(43)	
3)		(44)	
01		(45)	
		(46)	
2)		(47)	
3)	1	(48)	
3)		[49]	
5) /		(50)	
	<u> </u>		

(12/88)

FORM N-2 (Back — Pg. 2 of _2_)

r. O. No. 6020380/ QUALITY DOCUMENTS PAGE 5 0122 221260 SNIO through 85 221260 SNIA

Certificate Holder's Serial Nos. PS 221260 SNIO through PS 221260 SNI

9	CERTIFICATION OF DES	SIGN
esign specifications certified by	N/A	P.E. State N/A Reg. no. N/A
	(when applicable)	
esign report* certified by	N/A	P.E. State N/A Reg. no. M/A
Target Contained by	(when applicable)	
	CERTIFICATE OF COMPLI	IANCE
	43/2/8× 414/12	***
Ve certify that the statements made in this reg		BORNET MACRINED
onforms to the rules of construction of the AS		
The second of th		
PT Certificate of Authorization No.	1131	Expires JUNE 10, 1993
•		7 No
este 2/ Quel 1992 Name BE/IP I	NTERNATIONAL, INC.	Signed Signed
	(NPT Certificate Holder)	(authorized presentative)
	CERTIFICATE OF INSPEC	CTION
the undersigned, holding a valid commission	issued by the National Board of Boile	ler and Pressure Vessel Inspectors and the State or Provi
CALIFORNIA and employed by	ARRESTEE BUTUAL INS. CO. I	PACTORY RUTUAL SYSTEM
MOSSICOD, MASS. have inspected	these items described in this Data Re-	eport on MHACH. V 199V , and state that
		or appurtenances in accordance with the ASME Code, S
Division 1. Each part listed has been authori		· ·
•		· · · · · · · · · · · · · · · · · · ·
		nty, expressed or implied, concerning the equipment des
mus Data Report. Furthermore, neither the in	spector nor his employer shall be liab	ble in any manner for any personal injury or property dam
y , ,, ,, ,		
iss of any kind arising from or connected with	this inspection.	
iss of any kind arising from or connected with	this Inspection.	Commissions 1275 CA.

Page of 1. Component ID 2PSIEV124 2.. Item Description: Check Valve 3. N-5 Data Package Number: 2RC01-3B 4. W.O. Number: 2934428 5. Original Construction Code Edition: 1974 Edition, Winter 1975 Addenda 6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda 7. Work Description: Disc assembly replacement. 8. ISI Flaw NDE Method of Flaw Detection: Report Number: 9. Evaluation of the suitability of this work as per the requirements of IWA - 4150: Disc replacement is due to damage to the sealing area of the disc, no pressure boundry flaws. 10. Repair/Replacement Work Organization: Arizona Public Service 11. Replacement Items Construction or reconciled Code/Edition: Sec. III Cl.2, 1974 Edition 1975 Winter Addenda 12. Repair/Replacement Activity Construction Code/Edition: Sec. III Cl 2, 1974 Edition 1975 Winter Addenda 13. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda ⊠ NO 14. Preservice Inspection Required: ☐ YES Initial MM Date 10-22-06 If required, include a step in the W.O. to perform Preservice Inspection 15. ASME Section XI Pressure Test Required: \square YES \bowtie NO Initial MM Date 10-22-06 If required, include a step in the W.O. for ISI & ANII Inspection. Initial M/L Date 10-22-06 16. Include a step in the W.O. to verify NIS-2 Form has been completed by ISI & ANII prior to approving INP525 Status. 17. Include a step in the W.O. to record below all applicable numbers for replacement items. Item ID Part No. Serial No. Heat No. MR/PO/WO No. NIA APN 45021077 R5212325-2 Disc and stud assembly MR 1155324 18. Planner Mall Mile 10-22-06 Signature Date Printed Name: Martin Sullivan Printed Name: Fred Potest Log Entry DDH Signature Date 20. ANII Bob Hop Strom per telecom Moth 10-2006 Printed Name: Bob Hog Strom Signature Date

ASME SECTION XI – REPAIR / REPLACEMENT

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		11/03/06		
	x 53999, Phoenix,							2	
2 Plant Palo Vei	rde Nuclear Genera	ating Station	•		Unit :		2		
	Wintersburg Rd., 7	lame							
<u></u>		ddress	JII4 63334-	1323			Work Order Number		
3. Work Performed b	3. Work Performed by Arizona Public Service Type Code Symbol Stamp None								
Authorization No. N/A									
5801 S. Wintersburg Rd., Tonopah, Az 85354-7529 Expiration Date N/A									
4 Identification of Cu	stem Safety Inj	ection	, 4 rs					,	
4. Identification of Sy	stem <u>Survey</u> 111								
5. (a) Applicable Co	nstruction Code ASM	IE Section III	19 74	Edition,	W75	Adde	enda, <u>N/A</u>	Code Case	
(b) Applicable Ed	ition of Section XI Utiliz	zed for Repairs or	Replacemen	nts 19	92 Edit	ion, _	92 Adden	da	
				_					
6. Identification of Co	omponents Repaired o	r Replaced and R	eplacement (Compor	nents				
Name of	Name of	Manufacturer	National	Ot	ther	Year	Repaired	ASME Code	
ltem	Manufacturer	Serial No.	Board No.	Identi	fication	Built	or Replacement	Stamped (Yes or No)	
Valve	Borg Warner	31973	NA	2PSI	EV124	1978	Repaired	Yes	
/Disc - removed	Borg Warner	5	NA	Code	2C18	1978	Replaced	Yes	
Disc - installed	Borg Warner	212325-2	NA	. 1	NΑ	1991	Replacement	Yes	
	·								
	·								
		<u> </u>	<u> </u>	L		L			
7. Description of Wor	Replaced the dis	sc. { note rem	arks on Pag	ge 2}		•			
8. Test Conducted:	Hydrostatic P	neumatic 🔲	Nominal Ope	erating F	Pressure		Exempt 🗹	N-416-1 🛄	
	Other 🔲	Pressure	psi			Test Te	emp	_°F	
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(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	•		-			

PV-E0092 Ver. 7 73DP-9ZZ17

			ized to replace	e the disc will	1 a new on		
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ressure 1	est Review:	ISIN	A ANII <u>,</u>	NA			
		CERT	IFICATE O	F COMPLI	ANCE	***************************************	
•			the report are	correct and th			orms to the rules
ASME	Code, Section	n XI.		•	repair or re	placement	,
Code S	mbol Stamp)	N/A				· · · · · · · · · · · · · · · · · ·
icate of	Authorization	No	N/A		Expira	ation Date	N/A
ed		T) D	/ — Owner's Designee, T	ENG 1	۷	Date/ <u>/-</u> _	3-06
		O World O	Wiles a Designed, 1				
					- <u> </u>		
	(CERTIFICA	TE OF INS	ERVICE IN	SPECTION	ON	
	•	ga valid comm or Province of		=			Pressure Vessel
Hartfor	d, Connectic	<u>cut</u> , have ir	nspected the	components	described i	n this Owner	's Report during
ariad		totor				-	knowledge and
	•	the requireme					ans Owners 。 第
, the Ow		neither the Ins	spector nor his	emplover ma	akes anv w	arrantv. expr	ressed or implied
, the Ow			tive measures	described in	this Owne	r's Report. F	urthermore,
the Ow rt in acco gning this erning the	s certificate, r e examination	ns and correct			for any pe	ersonal injury	or property
the Ow rt in accomplishing this pring the pring the	s certificate, r e examination spector nor hi	ns and correct is employer sh		<u> </u>	enection		
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the Ow rt in accomplishing this pring the pring the	s certificate, r e examination spector nor hi	ns and correct is employer sh	m or connecte	d with this ins		1z. 264	
the Ow rt in accomplishing this pring the pring the	s certificate, r e examination spector nor hi	ns and correct is employer sh	m or connecte	<u> </u>		\z. 264 d, State, Province	, and Endorsements
the Ow rt in accomplishing this pring the pring the	s certificate, r e examination spector nor hi	ns and correct is employer sh		<u> </u>	spection.	٠	

PV-E0092 Ver. 7 BACK 73DP-9ZZ17

TIFICATE HOLDERS' DATA REPORT F FORM N-2 Q

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

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L. 24 +	٠	4.	-

snufactured and certified by _DEL	•	Name and sportage or us. (C	ALMINENS (ACMINIS)	
snufactured for ARTZONA PURI	LIC SERVICE 4 MILES S	COTH OF WINTERSBURG, W	DETERMINE AND S	OR 85343
ADTECHA	PURLIC SERVICE 4 NIT	ES SOUTH OF WINTERSBUR		ARTZONA 85343
cation of installation		(nem4 and address)		
76864 REV.B	SA-182 F316	75,000 PSI	X/A	1991
(drawing no.)	(mer'l. spec. no.)	(tanelle strangth)	(CRM)	(Ames projet
SME Code, Section III, Division 1	. 1974	WINTER 1975	I	(Code Case no.
•	(edition)	W / N	N/A	/%
bricated in accordance with Con	st. Spec. (Div. 2 only)	M/A Revision .	M/A	DateNA
BW/IP JOB NO.	901-L-2120	PART HAME- D	isk and stud as	SZMBILY
ımarks:				S\$20 17
HUROSTATIC TEST	NG NOT PERFORMED. IDE	MILIFICATION IS PER NO	-8230 IN LIEU 0	P HAMPLATE.
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om. thickness (in.) N/A	Min. design thickness (in.)	M/A Dia, ID (ft & in.)	K/A Length	overall (ft & in.)M/A
Then applicable, Certificate Holds				•
nen appiicable, Cartificate noice	BLS. DSDS Mebours are stract	BEG for 42C1 (fail) or dis rapo		_
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Part or Appurtenance	National	· 1 1	ourtenance Number	Board No.
Serial Number	Board No.	5" []	ACELIDAY :	
	in Numerical Order			in Numerical Order
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(1) 212325-1	H/A	(26)	10020	
(2) 212325-2	H/A	(27) Q	TY DOCUME	NTS
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(24)	,	(49)		

^{*}Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8½ × 11, (2) information in items 2 and 3 on this Data Report is included on each sheet. (3) each sheet is numbered and the number of sheets is recorded at the top of this form. This form (E00040) may be obtained from the Order Dept., ASME, 22 Law Orive, 8ex 2300, Fairfield, NJ 07007-2300.

FORM N-2 (Back - Fg. 2 of _2_)

- A	Cartificate Holder's S	erial Nos through
	CERTIFICATION OF DESIGN	
Design specifications certified by	tivities applicables	P.E. StateReg. noR/A
Design report® certified by	3/A (volved expoleration)	P.E. State W/A Reg. no. W/A
	CERTIFICATE OF COMPLIANCE	
We cartify that the statements made in this	penant are compare and that the (three) DIS	K AND STOD ASSEMBLY
conforms to the rules of construction of the		(1) de
NPT Cartificate of Authorization No.	¥-1131	xpires
Date 28 Magay 9/ Name BE/TP	DETERMATIONAL DEC. Signature Control C	ned
	CERTIFICATE OF INSPECTION	
	on issued by the National Board of Boiler and ANIMPLICAT MUTUAL DISCO. FACTORS	Pressure Vessel Inspectors and the State or Province of
of MOSSICO WASS have inspects	ed these items described in this Data Report	on Man. 39 1991 and state that to the
•		surtenances in accordance with the ASME Code, Section
III. Division 1. Each part lieted has been auth		
By signing this certificate, neither the inspec	ctor nor his employer makes any werranty, e	opraceed or implied, concerning the equipment described
		any manner for any personal injury or property demage or
Jas of any kind arising from or connected w		
Dara 3/29/91 Stored 5	to the	monissions 1275 CA.

r. O. No. 20003779

QUALITY DOCUMENTS

PAGE 247 of 873

	ASME SECTION	AI – REPAIR / REF	LACEMENT	
		·	Pa	age of
1. Component ID <u>2PSIBV</u>	•	•		· ·
2 Item Description: 24" -				
3. N-5 Data Package Number		4. W.O. Number:	: <u>2934548</u>	
5. Original Construction Co6. Original Installation Cod			•	
	assembl e valve for inspect	•	on XI program.	
8. ISI Flaw		NDE Method of Flaw I		
		Report Number: N/A		
9. Evaluation of the suitabil	ity of this work as per the r	equirements of IWA - 415	0:	· .
Not a failue of the ASM	E III pressure boundary. Th	ne disc & stud assembly is	being replaced to expid	ite valve reassembly.
			•	
10. Repair/Replacement Wo				
11. Replacement Items Con		· · · · · · · · · · · · · · · · · · ·		
12. Repair/Replacement Act13. ASME Section XI Code	•		Edition 1975 Winter A	Addenda
		nd 1992 Addenda		
14. Preservice Inspection Re		☐ YES		
Initial Date 1	0-28-06 If required	d, include a step in the W.C	D. to perform Preservice	Inspection
15. ASME Section XI Pressi	ure Test Required:	☐ YES ⊠ No	0	
Initial My Date 10	-28-06 If required	d, include a step in the W.C	D. for ISI & ANII Inspe	ction.
		de a step in the W.O. to ver	rify NIS-2 Form has bee	en completed by
Initial MM7 Date M		ANII prior to approving II		
Initial My Date 16	9-28-06 17. Include replace	de a step in the W.O. to recement items.	ord below all applicable	e numbers for
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
Valve	N/A	50195	N/A	N/A
Disc & stud Ass'y	APN 45020815	209730	NA	MR 1158018
• 🚎	_			
		·	 	
Λ Λ .	n m			
18. Planner	10-2	Printed Name:	DAVID M.	GOODLET
Signature	r	Date		
19. ISI DOUG HANS	são per toloane	المراحة المراحد المرا	Doug HANSEN	Log Entry
Signature		Date		
O. ANII ROBERT J.	LOGSTROM 10-2	Printed Name	ROBERT HE	SESTROM
Signature		I IIIIIeu I vaine.	· 	<u> u</u>

FORM	NIS-2 OWNE As Required b						MENTS
1. Owner <u>Arizona</u>	Public Service Co	mpany, et. al.		Date		11/03/06	
*	x 53999, Phoenix,			Sheet	1	of	. 2
2. Plant Palo Ver	rde Nuclear Genera	*		Unit		2	·
<u>5801 S.</u>	Wintersburg Rd.,	iame <u>Fonopah, Arizo</u> address	ona 85354-	7529		2934548 Work Order Number	<u> </u>
3. Work Performed b	y Arizona Public S	Service		Type Co	•	nbol Stamp	None /A
5801 S.	Wintersburg Rd.,	Γonopah, Az 8	5354-7529	Expiratio	n Date	N/.	4
4. Identification of Sy	stem Safety Inj	ection					·
(b) Applicable Ed	nstruction Code <u>ASM</u> ition of Section XI Utiliz	zed for Repairs or	Replacemer	nts 19 <u>92</u> Edit	-		
Name of Item	Name of Manufacturer	Manufacturer Serial No.		Other Identification	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)
Valve	Borg Warner	50195	NA	2PSIBV206	1979	Repaired	Yes
Disc - removed	Borg Warner	NA	NA	NA	1979	Replaced	Yes
Disc - installed	Borg Warner	209730	· NA	NA	1991	Replacement	Yes
						,	
	,			•			
		· · · · · · · ·					
	k Replaced the dis	. 1	arks on Pag		· ·		
8. Test Conducted:	Hydrostatic P	neumatic 🔲	Nominal Ope	erating Pressure		Exempt 🗹	N-416-1 🔲
	Other 🔲	Pressure	psi		Test Te	emp	_°F
		1 -					
(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				

PV-E0092 Ver. 7

FORM NIS-2 (Back)

CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rule of the ASME Code, Section XI. Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Signed CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Ves Inspectors and the State or Province of Aecasia and employed by HSB CT of Hartford, Connecticut, have inspected the components described in this Owner's Report durit the period 1. Average and employed by HSB CT of Hartford, Connecticut, have inspected the components described in this Owner's Report durit the period 1. 3-6. 2. 3-6. 3. and state that to the best of my knowledge a 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 improncering 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 COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rule of the ASME Code, Section XI. Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Expiration Date N/A Signed 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 Ves Inspectors and the State or Province of Access and employed by HSB CT of Hartford, Connecticut, have inspected the components described in this Owner's Report durithe period 10-23-04 to 11-3-04 , and state that to the best of my knowledge a 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 improncerning 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		· · · · · · · · · · · · · · · · · · ·				
CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rule of the ASME Code, Section XI. Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Expiration Date N/A Signed 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 Ves Inspectors and the State or Province of Across and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report durithe period 10-28-00 to 11-3-00 , and state that to the best of my knowledge a 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 improncerning 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	<u> </u>					
We certify that the statements made in the report are correct and this replacement conforms to the rule of the ASME Code, Section XI. Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Expiration Date N/A Signed Date //-3 vo6 CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Ves Inspectors and the State or Province of Account and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report durithe period	Pre-Pressure Tes	st Review: ISI	NA ANII	NA	<u> </u>	٧ .
Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Expiration Date N/A Signed Date //-3 ro6 CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Ves Inspectors and the State or Province of Across and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report durit the period 10-28-06 to 11-3-06 , and state that to the best of my knowledge a 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 improncerning 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		С	ERTIFICATE O	F COMPLIAN	ICE	
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Ves Inspectors and the State or Province of Association and employed by HSB CT of Hartford, Connecticut of Hartford, Connecticut of Hartford, Connecticut of Hartford of H			de in the report are o			orms to the rules
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Ves Inspectors and the State or Province of Aerona and employed by HSBCT of Hartford, Connecticut, have inspected the components described in this Owner's Report durithe period 6-28-06 to 11-3-06, and state that to the best of my knowledge a 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 improncerning 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	Type Code Sym	bol Stamp	N/A			
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Ves Inspectors and the State or Province of Ascassa and employed by HSB CT of Hartford, Connecticut, have inspected the components described in this Owner's Report durit the period to 11-3-oc, and state that to the best of my knowledge a 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 improncerning 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	Certificate of Au	thorization No	N/A		Expiration Date	N/A
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Ves Inspectors and the State or Province of Account and employed by HSB CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period of to to to to to to to to to to to to to	Signed	0311-	- ENGR		Date /	11-3-06
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vest Inspectors and the State or Province of Account and employed by HSB CT of Hartford, Connecticut, have inspected the components described in this Owner's Report during the period of to to to to to to to to to to to to to	olgi led	/ + 7				
Inspectors and the State or Province of Aerzoux and employed by HSB CT of Hartford, Connecticut , have inspected the components described in this Owner's Report during the period one of to to to to to to to to to to to to to	Oigrieu	Own	ner or Owner's Designee, Ti	itle		
to to to the period, and state that to the best of my knowledge a 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 improncerning 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	Olgried				PECTION	
By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or imp 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	I, the undersigne	CERTIF ed, holding a valid o	FICATE OF INSI	ERVICE INSF	Board of Boiler and F	Pressure Vessel
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	I, the undersigne Inspectors and to of <u>Hartford,</u> the period <u>a-</u> belief, the Owne	CERTIF ed, holding a valid of the State or Province Connecticut , he connecticut to	commission issued to the control of	ERVICE INSF by the National land employed by components described in and state the corrective me	Board of Boiler and F HSB CT cribed in this Owner's nat to the best of my easures described in	s Report during knowledge and
,	I, the undersigned inspectors and to the decident in the decid	CERTIF ed, holding a valid of the State or Province Connecticut , he connecticut to	commission issued to the contract of Arizona and takes a	ERVICE INSF by the National land employed by components described in and state the corrective me	Board of Boiler and F HSB CT cribed in this Owner's nat to the best of my easures described in	s Report during knowledge and
1 24	I, the undersigned inspectors and the first inspectors and the period	CERTIFE ed, holding a valid of the State or Province Connecticut , however, to the performed expense with the requiremental content of the content of the content of the certificate, neither the the certificate in the certificate of the cer	commission issued to of Account a ave inspected the of the ASM are inspector nor his orrective measures yer shall be liable in	by the National and employed by components described in this any manner for	Board of Boiler and F HSB CT cribed in this Owner's nat to the best of my easures described in on XI. s any warranty, expres of Owner's Report. For	s Report during knowledge and this Owner's essed or implied urthermore,
Commissions Az. 264 [Inspector's Signature National Board, State, Province, and Endorsement	I, the undersigned inspectors and the first inspectors and the period	CERTIFE ed, holding a valid of the State or Province Connecticut , however, to the performed expense with the requiremental content of the content of the content of the certificate, neither the the certificate in the certificate of the cer	commission issued to of Account a ave inspected the continuous and take irements of the ASM are Inspector nor his corrective measures yer shall be liable in g from or connected	by the National and employed by components described in this any manner for dwith this inspect	Board of Boiler and F HSB CT cribed in this Owner's nat to the best of my leasures described in on XI. s any warranty, express Owner's Report. For any personal injury extion.	s Report during knowledge and this Owner's essed or implied urthermore,

FORM N-2 CENTIFICATE HOLDERS' DATA REPORT FOR DENTICALP. O. No. 3 3207693 NUCLEAR PARTS AND APPURTENANCES* As Required by the Provisions of the ASME Code, Section III Not to Exceed One Day's Production PAGE 40 of 42 Pg. 1 of 2

		Court and address of Purchasers		
cation of installationARTEO	er public szavíce 4 eg	ILES SOUTH OF HURTZASBURG, I	11 post Chapter	ANUTCHA 85343
		thesis and address:		
pe: 76914011 REV A	SA-182 GR. 1316		MA	1991
(drawing ng.)	(mat'il sons, re.)	Etietteid: strangthi	CRM	(Asst print)
ME Gode, Section III, Division	1: <u>1974</u>	WINTER 1975	2	IL/A. (Code Gass no.)
	/activities			
bricated in accordance with Co	nst. Spec. (Div. 2 anly)	M/A Revision 1	K/3	_ Data
98/TP JCS NO.	907_7_2077	PADT HAME DISK/STED	1ccv	•
merica:		The the state		
	SCOR NOT PERPOSED. Min. design thickness (in.)	INSTITUTE IS PER EC-		
m. thickness (in.) WA	Min. design thickness (in.)	YEAD Dia. (D (ft & in.)		
	Min. design thickness (in.)	YEAD Dia. (D (ft & in.)		
m. thickness (in.) WA	Min. design thickness (in.)	YEAD Dia. (D (ft & in.)	Langth (
m. thickness (in.) E/A nen applicable, Cartificate Hold	Min. design thickness (in.) _ ers' Data Reports are ettach	N/A Dis. ID (ft & in.) N/A sed for each item of this report;	Langth o	overall (ft & in.)
m. thickness (in.) E/A nen applicable, Cartificate Hold Part or Appurtanence	Min. design thickness (in.) _ ers' Data Reports are ettach National	Dia. ID (ft & in.) WA sed for each item of this report; Part or Appurtens	Langth o	overall (ft & in.) <u>H/X</u> National
m. thickness (in.) <u>E/A</u> nen applicable, Cartificate Hold Part or Appurtenance Serial Number	Min. design thickness (in.) _ ers' Data Reports are attach National Board No.	Dia. ID (ft & in.) WA sed for each item of this report; Part or Appurtens Serial Number	Langth o	overall (ft & in.) <u>H/X</u> National Board No.
m. thickness (in.) <u>B/A</u> nen applicable, Cartificate Hold Part or Appurtenance Serial Number	Min. design thickness (in.) _ ers' Data Reports are attach National Board No. in Numerical Order	Dia. 10 (ft & in.) W/A ed for each item of this report; Part or Appurtena Serial Number	Langth o	overall (ft & in.) <u>H/X</u> National Board No.
m. thickness lin.) B/A en applicable, Cartificate Hold Part or Appurtenance Serial Number	Min. design thickness (in.) _ ers' Data Reports are attach National Board No. in Numerical Order	Dia. ID (ft & in.) WA sed for each item of this report; Part or Appurtens Serial Number	Langth o	overall (ft & in.) <u>H/X</u> National Board No.

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(19)

(20)

(21)

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(12/88)

(23) $\{48\}$ (24)(49) (25) (50) 10. Design pressure _750/550 __ °F. Hydro, test pressure 100/400 psi. Temp. . *Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8½ × 11, (2) information in items 2 and 3 on this Data Report

is included on each sheet. (3) each sheet is numbered and the number of sheets is recorded at the top of this form

This form (E00040) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.





Back - Pg. 2 of 2)

Cartificate Holder's Serial Nos. 209730 PAGE TOTAL STATION OF THE PAGE TOTAL

Design specifications certified by		CENTIFICATION OF D	ESIGN		
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CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and that this legace DES/STED ASSIT conforms to the rules of construction of the ASME Code, Section III, Division 1. NPT Certificate of Authorization No.		(when explication			
We cartify that the statements made in this report are correct and that this leaves DES/STED ASST. conforms to the rules of construction of the ASME Code, Section III, Division 1. NPT Cartificats of Authorization No.	Designs " Just" cartified by		P.E.	State 1/A	Reg. no. 11/A
CERTIFICATE OF INSPECTION 1. the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Exemptors and amployed by Assertable Holder has fabricated in this Data Report on appurtaments in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shows above. By signing this cartificate, neither the inspector nor his amployer makes any warranty, expressed or implied, concerning the equipment describe loss of any kind arising from or connected with this inspection. Date 51 9 Signed Commissions 1275 CA.		CERTIFICATE OF COM	PLANCE		``
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CERTIFICATE OF INSPECTION 1. the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Expired and amplicate these items described in this Data Report on appurtaneous in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shows above. By signing this cartificate, neither the inspector nor his amployer makes any warranty, expressed or implied, concerning the equipment describe loss of any kind arising from or connected with this inspection. Date \$1.97.5. Signed Commissions 1.2.7.5. CA.	We certify that the statements made in I	this report are correct and that this impact	DIST/STED ASST	·	· · · · · · · · · · · · · · · · · · ·
Date 30 Grad Planne BE/TD Terrorate Color Signed Si					
Date 30 Grad Planne BE/TD Terrorate Color Signed Si		W 1410	•	MM 10 1003	•
CERTIFICATE OF BISPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of CALIFORNIA and employed by ARRENGER BOYNAL INS. CD. FACTOR BIFNAL STOTES of MARRICO, BIRS. have inspected these items described in this Data Report on ARM 1, [44] and state that to the best of my knowledge and belief, the Certificate Holder has isbricated these parts or appurtanances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above. By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment describe in this Data Report. Furthermore, neither the inspection nor his employer shall be liable in any manner for any personal injury or property damage of loss of any kind arising from or connected with this inspection. Data 51/9 Signed Commissions 1275 Off.	NPT Cartificate of Authorization No	B-1131	Expires	W. 1593	70
CERTIFICATE OF BISPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of CALIFORNIA and employed by ARRENGER BOYNAL INS. CD. FACTOR BIFNAL STOTES of MARRICO, BIRS. have inspected these items described in this Data Report on ARM 1, [44] and state that to the best of my knowledge and belief, the Certificate Holder has isbricated these parts or appurtanances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above. By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment describe in this Data Report. Furthermore, neither the inspection nor his employer shall be liable in any manner for any personal injury or property damage of loss of any kind arising from or connected with this inspection. Data 51/9 Signed Commissions 1275 Off.	Date 30 anil 9/ Name 50/	IP INTERNATIONAL DEC.	Signed	6 lone	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of CALTYCRETA and employed by RECENT BOYNET. THE CD. FACTORY BOYNETA STREETS of MORROWS HASS. have inspected these items described in this Data Report on MAY 1, (24), and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtanences in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shows above. By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment describe in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage of loss of any kind arising from or connected with this inspection. Data 51/9 Signed Commissions 1275 Cit.		part Caraticans Heidart	<u>_</u>	inches de la la la la la la la la la la la la la	ersey/CSIVel
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CALIFORNIA and amployed by ARRIGH BOTTAL INS. CO. FACTOR BOTTAL STOTES of HOMBOOD, MASS. have inspected these items described in this Digra Report on ARM (QQ) , and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtanances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above. By signing this certificate, neither the inspector nor his amployer makes any warranty, expressed or implied, concerning the equipment describe in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage of loss of any kind artising from or connected with this inspection. Date 51/9 Signed		CERTIFICATE OF MISP	ECTION		
CALIFORNIA and employed by ANNIA INS. CO. FACION STREET STREET of MANNIA have inspected these items described in this Digra Report on MANNIA (QQ), and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtanances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above. By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment describe in this Deta Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage of loss of any kind arising from or connected with this inspection. Data 51/9 Signed		•	4		
of MANN 1 (49), and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtanences in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above. By signing this certificate, neither the inspector nor his amployer makes any warranty, expressed or implied, concerning the equipment describe in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage of loss of any kind arising from or connected with this inspection. Data 51/9 Signed	I, the undersigned, holding a valid comm	nission issued by the National Soard of S	oiler and Pressure Vess	ei inspectors ar Pres	nd the State or Province of
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III, Division 1. Each part listed has been authorized for stamping on the date shown above. By signing this cartificate, neither the inspector nor his amployer makes any warranty, expressed or implied, concerning the equipment describe in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage of loss of any kind arising from or connected with this inspection. Data 51/9 Signed Commissions 1275 Off.	ofhave insp	lected these items described in this Citta	Report on 1/09/01		
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Date 5/1/91 Some Signal Commissions 1275 CA.			iable in any manner for	any personal in	mul on busbouch gauged o
Cate 5/1/91 Signed Commissions 1275 CA. Wart St. work approximation or prov. and no	loss of any kind arising from or corrects	ed with this inspection.			
Date 11 171 Signed Commissions (Mor'l. St. Host, entersements) and no	d 10.	1 -11		الدريب مستوجوت	
			/	215 (1A	,

ASME SECTION XI – REPAIR / REPLACEMENT of Page 1. Component ID 2PRCEL001 2.. Item Description: 6"-2500# RFWN flange for Pressurizer PSV RC-200. 3. N-5 Data Package Number: 2RC03-2 4. W.O. Number: 2937265 5. Original Construction Code Edition: 1974 Edition, Summer 1975 Addenda 6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda 7. Work Description: Machine the flex gasket sealing area of flange iaw drawing N001-607-31 note 4. 8. ISI Flaw NDE Method of Flaw Detection: n/a Report Number: n/a 9. Evaluation of the suitability of this work as per the requirements of IWA - 4150: Not an ASME III pressure boundary failure. The machining of sealing surface area to remove approx. 0.032" raised area x 1/8" wide is to return flange surface back to configuration iaw drawing N001-607-31. 10. Repair/Replacement Work Organization: Arizona Public Service 11. Replacement Items Construction or reconciled Code/Edition: Sec. III Cl. 1, 1974 Edition 1975 Summer Addenda 12. Repair/Replacement Activity Construction Code/Edition: Sec. III Cl. 1, 1974 Edition 1975 Winter Addenda 13. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda **⊠**′NO 14. Preservice Inspection Required: Initial _ 10-30-06 If required, include a step in the W.O. to perform Preservice Inspection 15. ASME Section XI Pressure Test Required: ☐ YES \boxtimes NO If required, include a step in the W.O. for ISI & ANII Inspection. Initial Nag Date 10-30 De 16. Include a step in the W.O. to verify NIS-2 Form has been completed by _ Date 10-30-1% ISI & ANII prior to approving INP525 Status. 17. Include a step in the W.O. to record below all applicable numbers for Date 10-30-06 replacement items. Item ID Heat No. MR/PO/WO No. Part No. Serial No. N/A N/A Flange N/A N/A Printed Name: DANIS M. GOODLET 18. Planner Signature Date Printed Name: R.L.BROWNING Entry RUE Printed Name: RG HOCKSTROM 10-30-00 Date

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

As Required by the Provisions of the ASME Code Section XI

				TANK TO SEE TANK			
1. Owner: Arizo	na Public Service (Company, et. al.		Date: 10/	/30/2006		
<u>P. O. I</u>	30x 53999, Phoeni	ix Arizona 85072-20	034	Sheet: 1	<u>1</u> of <u>2</u>		
2. Plant: <u>Palo V</u>	Verde Nuclear Gene	erating Station		Unit: <u>2</u>			
<u>5801 S</u>	South Wintersburg	Road., Tonopah, A	rizona 8535	54-7529 Work Ord	er Numbe	er <u>2937265</u>	•
3. Work Performe	ed by: <u>Arizona Public</u>	<u>c Service</u>		Type of Co	ode Stamı	p <u>None</u>	
				Authorizat	tion No.	<u>N/A</u>	
4. Identification o	of System: RC: Reac	ctor Coolant System		Expiration	Date <u>N</u> /	' A 25 25 25 25 25 25 25 25 25 25 25 25 25	
			3. Class 1	1974 Edition, Summer	1975 Add	lenda,Cc	ode Case
				ments: 1992 Edition,			
		ired or Replaced and I				,	
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)
Flange	N/A	N/A	N/A	2PRCEL001	1980	Repaired	YES
							· .
							:
				· · · · · · · · · · · · · · · · · · ·		事が 対 ・	
				1			
7. Description of V	Work: Machine the	e flex gasket surfac	e for RC-PS	SV-200 inlet flange L	AW drav	ving N001-607	<u>'-31</u>
8. Test Conducted:	l: Hydrostatic	Pneumatic [Nomi	inal Operating Pressure	e 🗌	Exempt 🛛	
N-4	416-2 🔲 Other	r Pressure psi		T4 T	nperature	∞ E	
and the second s	.102	рз	1	lest len	perature_	—— * — ., .	
**************************************	, , , , , , , , , , , , , , , , , , ,	ps	.1	Test Ten	iperature_	· ——— · · · · · · · · · · · · · · · · ·	

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is $8 \frac{1}{2} \times 11$ inches, (2) information in items 1 thru 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the to of this form.

FOR	\mathbf{M}	NIS-	2 (Bac	k)

9. Remarks: WO# 2937265 for 2PRCEL001, the inlet flange to RC-PSV-200. Machined the surface to remove a rais	sed
area approx. 0.032" high x 1/8" wide to restore IAW drawing N001-607-31.	·
Pre-Pressured Test WO Review – ISI	
	•
ANII	<u> </u>
Certificate of Compliance	٠.
We certify that the statements made in the report are correct and this repair conforms to the rules of the A	SME
Code, Section XI.	
Type Code Symbol Stamp N/A	<u>.</u>
Certificate of Authorization No. N/A Expiration Date: N/A	
Signed: Nay Huth 151 ENGINEER Date: 11-5-06	_
Owner or Owner's Designee, Title	- ·
	. 5
CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of boiler and Pressure V	essel
Inspectors and the State or Province of <u>Arizona</u> and employed by <u>HSB CT</u> of <u>Hartford, Connecticut</u> , inspected the components described in this Owner's report during the period of	have
to, and state that to the best of my knowledge and belief, the Owner has perform	rmed
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 imp	lied,
concerning the examinations and corrective measures described in this Owner's report. Furthermore, ne	ither
the Inspector nor his employer shall be liable in any manner for any personal injury or property damage loss of any kind arising from or connected with this inspection.	or a
Commissions: NB 9685 "N" "I" AZ264	
Marinal David Cont. David Cont	ments
	ments