

#### A subsidiary of Pinnacle West Capital Corporation

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102-05545-SAB/TNW/RJR August 10, 2006

U.S. Nuclear Regulatory Commission **ATTN: Document Control Desk** Washington, DC 20555-0001

Dear Sirs:

Subject:

Palo Verde Nuclear Generating Station (PVNGS)

Unit 3, Docket No. STN 50-530

Unit 3 Second 10-Year Interval – Twelfth Refueling Outage Inservice

**Inspection Summary** 

Pursuant to 10 CFR 50.55a and IWA-6230 of Section XI of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, 1992 Edition, 1992 Addenda, Arizona Public Service Company (APS) hereby submits the PVNGS Unit 3 Inservice Inspection Report for the twelfth refueling outage, provided in the enclosure. APS completed Unit 3's Refueling Outage on May 12, 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,

TN WOBAL. For

SAB/TNW/RJR

Enclosure

B. S. Mallett CC:

NRC Region IV Regional Administrator

M. B. Fields

NRC NRR Project Manager

G. G. Warnick

NRC Senior Resident Inspector for PVNGS

### **ENCLOSURE**

SECOND 10-YEAR ISI INTERVAL SUMMARY REPORT

TWELFTH REFUELING OUTAGE

PALO VERDE NUCLEAR GENERATING STATION, UNIT 3

### PALO VERDE NUCLEAR GENERATING STATION

### UNIT 3

### INSERVICE INSPECTION REPORT

### TWELFTH REFUELING OUTAGE

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

PREPARED BY: JOBan less	DATE: 8/2/06
REVIEWED BY: 21. Beasury RLB	DATE: 8/3/06
(All except B15.XX and C7.XX Pressure Testing)	7
REVIEWED BY: Andre & Telle	DATE: 8/3/06
(B15.XX and C7.XX Pressure Testing)	<del></del>
APPROVED BY: Muleul Melhe	DATE: 8/3/06

COMMERCIAL SERVICE DATE: SERVICE DATE: REPORT DATE:

01/08/88 08/02/2006

### TABLE OF CONTENTS

SECTION	<u>PAGE</u>
1.0 Introduction	3
2.0 Examination Summary	3
3.0 Examination Techniques	3
4.0 Accessibility	4
5.0 Personnel	4
6.0 Equipment and Materials	4
7.0 Repairs and Replacements	4

### **APPENDICES**

APPENDIX	<u>PAGE</u>
APPENDIX A - Inservice Inspection Summary Report	5
APPENDIX B - Inservice Inspection Code Limitations	35
APPENDIX C - Form NIS-1	37
APPENDIX D - Forms NIS-2	40

### **UNIT 3 INSERVICE INSPECTION REPORT**

#### 1.0 Introduction

This report is a summary of the examinations performed during the twelfth refueling outage at the Palo Verde Nuclear Generating Station (PVNGS) Unit 3. This report also includes all applicable examinations conducted since the last refueling outage. This was the first refueling for Interval 2, Period 3, which was conducted from April 1, 2006 through May 12, 2006. Palo Verde Unit 3 began commercial operation on January 8, 1988.

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. This report is a summary of the examinations performed through the twelfth refueling outage. All of the examination report numbers for the second interval are listed in Appendix A. The reports for the twelfth refueling and examinations performed since the last Summary Report are in bold type.

#### 2.0 Examination Summary

The evaluation of the results from the ISI examinations indicated the integrity of the systems has been maintained. There were no rejectable or abnormal indications found during this ISI inspection activity.

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

#### 3.0 Examination Techniques

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

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

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

#### 4.0 Accessibility

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

#### 5.0 Personnel

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

#### 6.0 Equipment and Materials

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

#### 7.0 Repairs and Replacements

No repairs or replacements were performed as a result of ISI examinations during U3R12. 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.

#### **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

Component or system description

Insp Per - Inspection period

Amt Regd - 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**

Accessible Acc -

ADV -Atmospheric Dump Valve

AF-Auxiliary Feedwater

Aux -Auxiliary Atmospheric Atmos -Blowdown Bldn -

CEDM -Control Element Drive Mechanism

Circ -Circumferential Containment Cont -

CS -**Containment Spray** 

CSP-Containment Spray Pump

Dsch -Discharge Downcomer Dwncmr -FW-Feedwater

HPSI-High Pressure Safety Injection

HTRS -Heaters

ICI -In Core Instrumentation

IEB -Inspection and Enforcement Bulletin

Int -Interval

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

RF-Refueling RPV -Reactor Vessel SD-Shutdown

SG-Steam Generator

Snub -Snubber Reduction Program

Suct -Suction Surface Surf-

UT-Ultrasonic Testing

Vis -Visual Volumetric Vol -

ASME	Zone Comp/Sys	Insp	Amt	Amt	Item ID		Reports	T	Remarks
Item no		Per	Req	Comp		Vol	Surf	Visual	
			AS	ME CI	ass 2 Augmente	ed High Ene	ergy Piping		
AHE5.51	47 MS SG1	One	12	12	47-1	00-3443	00-3388	!	1
& 5.52	47 1110 001	10.10			47-2	00-3437	00-3388	-	<del></del>
		-			47-4	00-3454	00-3389		
					47-8	00-3453	00-3389		
	<del></del>				47-12	00-3452	00-3389	<del></del>	
					47-16	00-3451	00-3389		
		1			47-20	00-3450	00-3389	<del></del>	
					47-24	00-3445	00-3388		
					47-25	00-3446	00-3388		
					47-28	00-3428	00-3387		
					47-29	00-3427	00-3387		
					47-30	00-3447	00-3388		
	48 MS SG 1	Two	12		48-1	1	MT-04-099		
					48-2	UT-04-170	MT-04-100		
					48-4	UT-04-172	MT-04-102		
					48-8	UT-04-174	MT-04-104		
					48-12	UT-04-176	MT-04-106		
					48-16	UT-04-178	MT-04-108		
					48-20	UT-04-180	MT-04-110		
	<del></del>	11			48-24	UT-04-182	MT-04-112		Code case N-460
					48-25	UT-04-183			
		1			48-28	UT-04-185			
					48-29	UT-04-186		<del></del>	<del></del>
		1				UT-04-187			
	51 ADV SG1	One	13		51-1		00-3205		
		1			51-2		00-3205		<u> </u>
		<del>                                     </del>			51-3		00-3205		
		<del>  </del>			51-4		00-3205		
					51-5		00-3205		
		1			51-6		00-3205		
					51-7		00-3205		
					51-8A	00-3424	00-3386		
					51-8B	00-3403	00-3205		
					51-9	00-3404	00-3205		
					51-51	00-3405	00-3205		
	<u> </u>						00-3205		
		<u> </u>					00-3205		
		Two	16			UT-04-190	MT-04-120		
						UT-04-191	MT-04-121		
						UT-04-192	MT-04-122		
			T		51-29	UT-04-193	MT-04-123		
				!	51-30	UT-04-194	MT-04-124		
					51-31	UT-04-195	MT-04-125		
				:	51-32	UT-04-196	MT-04-126		
				1	51-33	UT-04-197	MT-04-127		
						UT-04-198			
						UT-04-199			
<del></del>						UT-04-200			<del> </del>
						UT-04-201			<del></del>
						UT-04-202			
		<del>                                     </del>				UT-04-203			
						21-04-200	07-100		

ASME	Zone Comp/Sys	Insp	Amt	Amt	Item ID		Reports	ļ	Remarks
Item no	<u> </u>	Per	Req	Comp	<u> </u>	Vol	Surf	Visual	<u> </u>
					51-56		MT-04-134		
	<u> </u>				51-57		MT-04-135		<u> </u>
	53 Steam to AF	One	10	10	53-11	00-3134	00-3110		
		_	<u> </u>	ļ	53-12	00-3138	00-3110		
				<u></u>	53-13	00-3137	00-3110		PSE
					53-14	00-3132	00-3110		
					53-15	00-3130	00-3110		
					53-21	00-3131	00-3110		<del>-</del>
					53-22	00-3133	00-3110		
		-			53-23	00-3129	00-3110		nor -
					53-24 53-25	00-3136	00-3110 00-3110		PSE
		7	9	9	53-25	00-3135	MT-04-156		<del> </del>
		Two	9	9					
		_			53-2 53-4		MT-04-157		
							MT-04-158		
		<del>                                     </del>			53-5 53-6		MT-04-159		
					53-6	UT-04-230			
	·				53-7	UT-04-231			
					53-8	UT-04-232			
[		-			53-9		MT-04-163		
					53-10	UT-04-234			
	56 FW SG1	One	6		56-1	01-3411	01-3337		
					56-4	01-3412	01-3337	· 	
		+			56-6	01-3413	01-3337		
					56-7		01-3337	· · · · · · · · · · · · · · · · · · ·	
					56-9	01-3415	01-3337		
	CO Dunama CC1		9		56-11 60-7	01-3416	01-3337 00-3267		
	60 Dwncmr SG1	One	-9		60-8	00-3284	00-3267		<del></del>
		<del>  </del>			60-9		00-3268		<del></del>
<del>}</del>		<del> </del>			60-11	00-3287	00-3267		
					60-12		00-3267		
	_ <del></del>	<del>  </del>			60-14		00-3267		
		<del>  </del>			60-15	00-3290	00-3267	<del></del>	
		1	_		60-16		00-3267		
		1	+		60-17	<del></del>	00-3267		
		Two	5	5	60-2	UT-04-248	MT-04-178		<del> </del>
	<del></del>	1	-		60-3	UT-04-249	MT-04-179		<del> </del>
		11			60-4	UT-04-250			
		<del>                                     </del>			60-5	UT-04-251			
		1			60-6	UT-04-252		<del></del>	
	61 FW SG 2	Two	5		61-2	UT-04-253		<u> </u>	<del> </del>
<del></del>	<u> </u>	+	-		61-3	UT-04-254			
		<del>                                     </del>			61-4	UT-04-255			1
<del></del>		+ +	<del></del>		61-5	UT-04-256		<del></del>	
		<del>  </del>		$\rightarrow$	61-6	UT-04-257			
- 1	66 Bldn SG1	One	9		66-1		00-3093		
	00 01011 00 1	- Cile	<del></del> +		66-2	<del></del>	00-3093		1
		<del>  -</del>			66-3	<del></del>	00-3093		
}		<del>                                     </del>	$\longrightarrow$ $\downarrow$		66-5		00-3093		
	<u> </u>	<del>  </del>	<del></del> +		96-5 96-6		00-3093		
		<del>  </del> -			66-7		00-3093		
		<del>  -</del>	<del></del> +		66-8		00-3093		
J			- 1	- 10	J-1-12				

ASME	Zone Comp/Sys	Insp		Amt			Reports		Remarks
Item no		Per	Req	Comp		Vol	Surf	Visual	
		_	<u></u>		66-25_	00-3275	00-3206		
AHE5.61	51 ADV SG1	Two	20	20	51-65	UT-04-206	MT-04-136		
				1	51-66	UT-04-207	MT-04-137		
					51-67	UT-04-208	MT-04-138		
				i	51-68	UT-04-209	MT-04-139		
					51-69	UT-04-210	MT-04-140		
		_			51-70	UT-04-211	MT-04-141		
			<del>                                     </del>		51-71	UT-04-212	MT-04-142		
			<u> </u>		51-72	UT-04-213	MT-04-143		
		+		<del> </del>	51-73	UT-04-214	MT-04-144		
	-				51-74	_!	MT-04-145		
	<del> </del>			-	51-75		MT-04-146		
					51-76	1	MT-04-147		
			<del> </del>		51-77		MT-04-148		
	<del> </del>				51-78		MT-04-149	· · · ·	
	<del> </del>	<del></del>	<del>                                     </del>	<del>                                     </del>	51-78		MT-04-149		
				ļ			MT-04-150		
				ļ <u> </u>	51-80			· · · · · · · · · · · · · · · · · · ·	
					51-81		MT-04-152		ļ
					51-82	<del></del>	MT-04-153		
			<u> </u>		51-83		MT-04-154		
	<u> </u>				51-84		MT-04-155		
	47 MS SG1	One	7	7	47-3	00-3442	00-3388		
& 5.82			ļ		47-7	00-3441	00-3388		
					47-11	00-3440	00-3388		
		_			47-15	00-3439	00-3388		
		<u> </u>			47-19	00-3436	00-3388		
<del></del>					47-23	00-3444	00-3388	<u></u>	
					47-27	00-3438	00-3388		
	48 MS SG 1	Two	9	9	48-3	J	MT-04-101		
					48-07	1	MT-04-103		
					48-11		MT-04-105		
					48-15	UT-04-177	MT-04-107		
					48-19		MT-04-109		
					48-23	UT-04-181	MT-04-111		
					48-27	UT-04-184	MT-04-114		
					48-34	UT-04-188	MT-04-118	-	
					48-35	UT-04-189	MT-04-119		Limited UT
					ASME	Class 1			
1.22	02 Closure Head	One	33%	16%	2-4	00-3417 00-3419	00-3082		Accessible Areas, RR#14
						00-3421 00-3423			
3 1.30	01 RPV	One	50%	50%	1-14	*			Examined 0°-180°. *Separat
1.40	02 Cleans Head		220/	220/	2.1	00.2410	00.2022		Report by Wesdyne. Exam Completed in 3R7
1.40	02 Closure Head	One	33%	33%	<b>८-</b> 1	00-3416 00-3418 00-3420	00-3082		Examined 0°-120°
			1			00-3422	1		
		Two	33%	33%	2-1	1	MT-04-092	<del></del>	Examined 120°-240°, UT Code Case N-460
		Three	34%	34%	2-1	UT-06-015	MT-06-001		Code case N-460, 240 to 3 deg

ASME	Zone Comp/Sys	Insp	Amt	Amt	Item ID		Reports	<u> </u>	Remarks
Item no		Per	Req	Comp	<del></del>	Vol	Surf	Visual	
B 2.11 & 2.12	05 PZR	One	66%	66%	5-2	00-3085 00-3087 00-3089 00-3091			Examined 0° - 240°
				-	5-3	00-3086 00-3088 00-3090 00-3092			1' long seam for 5-2
		Two	66%	66%	5-8	UT-03-003 UT-03-006 UT-03-009			Examined 0°-240°
					5-6	UT-03-007 UT-03-013			inc 1' long seam for 5-8
		Three	34%	34%	5-2	UT-06-016			Examined 240° - 360°
					5-8	UT-06-017			Examined 240° - 360° Code case N-460
B2.31	03 SG 1	One	33%	33%	3-5	01-3078	1		Examined 0°-120°
& 2.32					3-3	01-3077			
					3-10	01-3081			
		Two	33%	33%	3-5	UT-04-144			Examined 120° -240°
B2.40	03 SG 1	One	50%	50%	3-6	01-3079			Examined 0° -180°
	04 SG 2	Two	50%	50%	4-6	UT-04-147			Examined 180°-360°
B 3.90	01 RPV	One	2	2	1-15	*			*Separate Report by Wesdyn Exam Completed in 3R7
					1-18	*	ļ		
B 3.100	01 RPV	One	2	2	1-15	*	ļ		
					1-18		ļ <u></u>		
B3.110	05 PZR	One	2	2	5-9	01-3193			
		7			5-11	01-3273		<u> </u>	
		Two	2	2	5-10	UT-03-008 UT-03-010			
					5-13	UT-03-004 UT-03-011 UT-03-012			
		Three	2	2	5-12	UT-06-018			Code case N-460
					5-14	UT-06-019			Code case N-460
33.120	05 PZR	One	2		5-9	01-3192			
					5-11	01-3274		<u> </u>	
		Two	2		5-10	UT-03-005		ļ	
					5-13	UT-03-014			<u> </u>
		Three	2	1	5-12	UT-06-007			Code case N-460
				1	5-14	UT-06-008			Code case N-460
33.130	03 SG 1	One	1		3-8	01-3080			
		Two	1		3-7	UT-04-145			Code case N-460
	04 SG 2	One	1		4-9	01-3394			
		Two	1		4-7	UT-04-148			Code case N-460
3 3.140	03 SG 1	One	1		3-8	01-3388			
		Two	1	1	3-7	UT-04-135			
	04 SG 2	One	1		4-9	01-3387			
		Two	1		4-7	UT-04-136			
3 4.11	02 RPV	Two	0	0	Vent Noz		*	VT-04-725	Aug. (EA-03-009), *Separate report by Westinghouse
		Three	0	0	Vent Noz	UT *	ECT *	VT-06-006	Aug BMI, NRC Order EA-03- 009 * Report # WDI-PJF- 1303192-FSR-001
3 4.12	02 CEDM	One	8	8	CEDM Noz		<del></del>	00-3543	<del> </del>

ASME	Zone Comp/Sys	Insp	Amt	Amt	Item ID		Reports	ļ	Remarks
Item no		Per	Req	Comp	]	Vol	Surf	Visual	
		Two	8	8	CEDM Noz			VT-03-430 VT-04-797	Aug. all (EA-03-009)
		Three	9	9	CEDM-Noz	UT*	ECT*	VT-06-706 VT-06-004	ISI Aug BMI All, NRC Order EA 03-009, * Report # WDI-PJF- 1303192-FSR-001
B 4.13	01 RPV ICI	One	5	5	Instru			00-3543	
		Two	5	5	Instru			VT-03-428 VT-04-669 VT-04-805	Aug. all (IEB 2003-02)
		Three	6	6	ICI			VT-06-705 VT-06-003 VT-06-686	ISI Aug BMI AII, NRC Order EA 03-009
B 4.20	5 PZR	One	12	12	Heaters			00-3543	
		Two	12	12	Heaters			VT-03-431 VT-04-796	Aug. All standpipe & heater noz. CE INFO Bulletin 89-06
		Three	12	12	Heaters			VT-06-007	ISI & All for CE IB 89-06
B 5.40	20 PZR Surge	One	2	2	5-34	01-3194	01-3083		
	31 PZR Safety	1			5-29	01-3275	01-3272		
	20 PZR Surge	Two	2	2	5-34			VT-04-765	Aug. BMI VT
	29 PZR Spray				5-33	UT-04-159 RT-04-002	PT-04-082	VT-04-683	Aug. UT and VT (BMI)
	31 PZR Safety				5-29	UT-04-160	PT-04-083	VT-04-729	Aug Vol, Surf & VT (BMI)
		1			5-30	UT-04-161	PT-04-084	VT-04-726	Aug Vol, Surf & VT (BMI)
· · · · · · · · · · · · · · · · · · ·					5-31	UT-04-162 RT-04-005	PT-04-085	VT-04-727	Aug. BMI VT
		1			5-32	UT-04-163	PT-04-086	VT-04-728	Aug Vol, Surf & VT (BMI)
3 5.40	20 PZR Surge	Three	2	0	5-34	- <del> </del>		VT-06-008	AUG BMI (IN 2004-11)
	29 PZR Spray				5-33			VT-06-017 VT-06-614	AUG BMI (IN 2004-11) Aug VT for Thermal Sleeve Integrity
	31 PZR Safeties	1			5-29			VT-06-018	AUG BMI (IN 2004-11)
					5-30			VT-06-019	AUG BMI (IN 2004-11)
					5-31			VT-06-020	AUG BMI (IN 2004-11)
		i i			5-32			VT-06-021	AUG BMI (IN 2004-11)
3 6.10	02 RPV Nuts	One	18	18	1 thru 18		00-3200	00-3207	
		Two	18	18	19 thru 36		MT-03-019	VT-03-224	
		Three	18		37 thru 54			VT-06-615	
3 6.30	02 RPV Studs	One	18	•	1 thru 18	01-3338	00-3200		
		Two	18		19 thru 36		MT-03-018		
	00.000	Three	18		37 thru 54	UT-06-001	MT-06-002	20.000	
6.50	02 RPV Washers	One	18		1 thru 18			00-3207	
		Two	18 18		19 thru 36 37 thru 54	-		VT-03-223 VT-06-617	
6.180	16 RCP 1A	Three	5		1 thru 5	01-3453		00-3209	<u> </u>
0.100	TO KOP IA	Two	5		6 thru 10	UT-03-035		VT-03-373 VT-04-623	+ Aug. incl all - IEIN 80-27 & IEB 82-02
		Three	6	6	11 thru 16	UT-06-003		VT-06-622	Aug all (IEIN 80-27 & IEB 82- 02)
	17 RCP 1B	One	5	5	1 thru 5	01-3006 01-3454	01-3004	00-3210 01-3003 01-3236	
		Two	5	5	6 thru 10	UT-03-036		VT-03-364 VT-04-626	+ Aug. incl all - IEIN 80-27 & IEB 82-02
		Three	6		11 thru 16	UT-06-004		VT-06-625	Aug all (IEIN 80-27 & IEB 82- 02)
	18 RCP 2A	One	5	5	1 thru 5	01-3455		00-3211	

ASME	Zone Comp/Sys	Insp	Amt	Amt	Item ID	<del> </del>	Reports	<del> </del>	Remarks
Item no	ļ	Per	Req	Comp	<u>.                                      </u>	Vol	Surf	Visual	
		Two	5	5	6 thru 10	UT-03-037	1	VT-03-375 VT-04-629	+ Aug. incl all - IEIN 80-27 & IEB 82-02
<u>-</u>		Three	6	6	11 thru 16	UT-06-005		VT-06-628	Aug all (IEIN 80-27 & IEB 8 02)
1	19 RCP 2B	One	5	5	1 thru 5	01-3456	·	00-3212	
		Two	5	. 5	6 thru 10	UT-03-038		VT-03-377 VT-04-632	+ Aug. incl all - IEIN 80-27 & IEB 82-02
		Three	6	6	11 thru 16	UT-06-006		VT-06-631	Aug all (IEIN 80-27 & IEB 8 02)
B 6.190	17 RCP 1B	One	1	1	Flange			01-3003 01-3235	
3 6.200	16 RCP 1A	One	5	5	1 thru 5			00-3209	
		Two	5	5	6 thru 10			VT-03-316	
		Three	6	6	11 thru 16			VT-06-621	
	17 RCP 1B	One	5	5	1 thru 5			00-3210 01-3003 01-3236	
		Two	5	5	6 thru 10			VT-03-326	
		Three	6	6	11 thru 16			VT-06-624	
	18 RCP 2A	One	5	5	1 thru 5			00-3211	
		Two	5	5	6 thru 10			VT-03-328	
		Three	6	6	11 thru 16			VT-06-627	
	19 RCP 2B	One	5	5	1 thru 5			00-3212	
		Two	5		6 thru 10			VT-03-354	
		Three	6	6	11 thru 16			VT-06-630	
3 7.20	05 PZR	One	20	20	20 studs/nuts			00-3187 01-3005 01-3314	
		Two	20	20	20 studs/nuts		MT-03-017	VT-03-210 VT-04-621	IEB 82-02 Aug IEB 82-02, removed
		Three	20	20	20 studs/nuts			VT-06-620	ISI & Aug (IEB 82-20)
7.30	03 SG1	One	40	40	40 studs/nuts			00-3188 01-3315	
		Two	40	40	40 studs/nuts		MT-03-011	VT-03-208 VT-04-619	IEB 82-02 Aug IEB 82-02, removed
		Three	40	40	40 studs/nuts			VT-06-618	ISI & Aug (IEB 82-20)
	04 SG 2	One	40	40	40 studs/nuts			00-3189 01-3316	
	•	Two	40	40	40 studs/nuts		MT-03-012	VT-03-209 VT-04-620	IEB 82-02 Aug IEB 82-02, removed
		Three	40	40	40 studs/nuts			VT-06-619	ISI & Aug (IEB 82-20)
7.50	31 PZR Safeties	One	1	1	PSV200			00-3186 01-3313	
					PSV201			00-3186 01-3313	
					PSV202			00-3186 01-3313	
					PSV203			00-3186 01-3313	
	· •	Two	1	1	PSV200			VT-03-422 VT-04-654	IEB 82-02 Aug IEB 82-02, removed
					PSV201			VT-03-423 VT-04-656	IEB 82-02 Aug IEB 82-02, removed
					PSV202			VT-03-424 VT-04-658	IEB 82-02 Aug IEB 82-02, removed

ASME	Zone Comp/Sys	Insp	Amt	Amt	Item ID	<u> </u>	Reports	ļ	Remarks
Item no		Per	Req	Comp	<u> </u>	Vol	Surf	Visual	<u> </u>
					PSV203		MT-03-016	VT-03-425 VT-04-660	IEB 82-02 Aug IEB 82-02, removed
		Three	2	2	PSV200			VT-06-633	ISI & Aug (IEB 82-02), Installed
				_	PSV201			VT-06-634	ISI & Aug (IEB 82-02), Installed
					PSV202			VT-06-636	ISI & Aug (IEB 82-02), Installed
			i		PSV203			VT-06-637	ISI & Aug (IEB 82-02), Installed
	37 Charging	One	1	1	V435			00-3254	
3 7.60	16 RCP 1A	One	5	5	1 thru 5			00-3209 00-3113	
		Two	5	5	6 thru 10	]		VT-03-317	
		Three	6	6	11 thru 16			VT-06-623	
	17 RCP 1B	One	5	5	1 thru 5			00-3210 00-3113 01-3002 01-3007	PSE (16 studs)
		Two	5	5	6 thru 10		<del> </del>	VT-03-327	
	<del></del>	Three	6	6	11 thru 16			VT-06-626	
	18 RCP 2A	One	5	5	1 thru 5			00-3211 00-3113	
		Two	5	5	6 thru 10			VT-03-345	
		Three	6		11 thru 16			VT-06-629	
	19 RCP 2B	One	5		1 thru 5			00-3113 00-3212	
		Two	5		6 thru 10			VT-03-404	
	19 RCP 2B	Three	6	1	11 thru 16			VT-06-632	
3 7.70	21 SD Cooling A	One	1		UV653	ļ	ļ	00-3006	<u> </u>
	22 SD Cooling B	One	1		UV654	ļ <u>.</u>		01-3457	<del> </del>
	00.0144	Two	1		UV652 V237			VT-03-127	<del></del>
	23 SI 1A	One	2		V237 V235			01-3017 VT-03-141	
		Iwo			V634	<del> </del>	<del> </del>	VT-03-141	<del> </del>
	24 SI 1B	One	1		V543	<del> </del>	<del></del>	00-3066	<del> </del>
	240110	Two	2		V245	<del> </del>		VT-03-164	
		+	+		V644	<del> </del>	<del>                                     </del>	VT-03-165	RR #4
	25 SI 2A	One	1		V540	<del> </del>	<del>                                     </del>	00-3080	
		Two	1		V217	<del>                                     </del>	<del>                                     </del>	VT-03-146	<del> </del>
	26 SI 2B	One	1	1	V225	<del>                                     </del>	<u> </u>	00-3185	
		Two	2	2	V541			VT-03-181	<del> </del>
					UV624			VT-03-144	1
	27 PZR Spray	Two	1		PV100E			VT-03-054	
					V240			VT-03-222	
	28 PZR Spray	One	2		V241			00-3028	
			$-\!\!\!\!-\!$		V242			00-3028	
		Two	1	- 1	V100F			VT-03-050	
	31 PZR Safeties	One	1		PSV200			00-3035	
		Two	1		PSV202			VT-03-188	
		Three	2		PSV201			VT-06-635	
	00.0	<del>  _  </del>			PSV203			VT-06-638	<del> </del>
	32 Drain 1A	One	2	1	V234 V334			00-3038 00-3038	
								01-3512	<u> </u>
T	33 Drain 1B	Two	2	2	V235			VT-03-117	

ASME	Zone Comp/Sys	Insp	Amt	Amt	Item ID		Reports		Remarks
Item no		Per	Req	Comp		Vol	Surf	Visual	
	1				V335			VT-03-119	
	34 Drain 2A	Two	2	2	V233			VT-03-227	
					V333			VT-03-228	
	35 Drain Line 2B	Three	2	. 2	V232			VT-06-653	
					V332	<u> </u>		VT-06-654	
	36 Letdown Line	Three	2	2	V515	<u> </u>	1	VT-06-655	
					V516			VT-06-656	
•	37 Charging	One	1	1	PDV240		Ţ	00-3208	
	38 Drain Line	One	1	1	V215			01-3048	
	38 Drain Line 1	Three	1	1	V216	1		VT-06-657	
	39 HPSI	One	1	1	V-523	1		00-3259	
		Two	2	2	V522			VT-03-145	
	<del></del>				V957	1	1	VT-03-356	
	40 HPSI	Two	1	1	V532	1	<del> </del>	VT-03-204	
7.80	02 Closure Head	One	1	1	2-21		<del> </del>	00-3270	CEDM 92
					2-21	1	<del> </del>	00-3270	CEDM 96
·		Three	1	1	2-21		<del> </del>	VT-06-616	CEDM 96
8.20	05 PZR	One	67%	67%	5-1	00-3278 00-3279 00-3280	00-3069		Examined 0°-240° Code Limited Relief Required
		Three	33%	33%	5-1	00-3281 UT-06-002	MT-06-003		240 to 360 deg, Limited UT Coverage and MT OD only
8.30	03 SG 1	One	33%	33%	3-1	01-3325	01-3317	<del>                                     </del>	Examined 0° -120°
0.00	04 SG 2	Two	33%		4-1	UT-04-146	MT-04-093	<del> </del>	120° to 240°, Surf ID & OD
9.11	06 RCS Piping	One	7	7	1-27	*	01-3506		*Separate report by
& 9.12	Too roo riping	- One			1-30	*	01-3506	<del> </del>	Wesdyne. Exams
4 3.12		+			6-7	-	01-3506	<del> </del>	completed in U3R7
	<del></del>				7-7	*	01-3506	<del> </del>	Completed in USICI
					3-29	01-3409	01-3300		
	<u> </u>	-}}			4-30	01-3410	01-3401	<del> </del>	
		+		,	17-2	01-3410	01-3345		<del> </del>
	<del></del>	Two	6		16-1		MT-03-005		100%
		IWO				1	I.	ļ <u>.</u>	l l
		<del>                                     </del>			17-1	.1	MT-03-010		100%
					18-1	•	MT-03-007		100%
					19-1	<u> </u>	MT-03-006	<u></u>	100%
					3-28		MT-03-020		100%
					4-28	UT-03-017	MT-03-021		100%
	20 PZR Surge	One	1		20-1	01-3195	01-3083		
		Two	0	0	6-10			VT-04-743	Aug. BMI VT
		Three	3	0	6-10			VT-06-009	AUG BMI (IN 2004-11)
	21 SD Cooling A	One	3		6-11	01-3076 01-3075	01-3196		
					21-18	01-3073	01-3196		
					21-20	01-3074	01-3196		
		Two	0		6-11			VT-04-673	Aug. BMI VT
		Three	2		6-11			VT-06-010	AUG BMI (IN 2004-11)
					21-14	UT-06-026			
					21-15	UT-06-027			
	22 SD Cooling B	One	2	2	22-11	00-3148	00-3108		
				:	22-23	00-3149	00-3172		
		Two	1	1	7-9	UT-04-153	PT-04-070	VT-04-761	Aug. BMI VT
	<del></del>	Three	3	0	22-1	UT-06-028			
		<del></del>	+		22-6	UT-06-029			
									1

ASME	Zone Comp/Sys	Insp	Amt	Amt	Item ID		Reports	<b></b>	Remarks
Item no		Per	Req	Comp		Vol	Surf	Visual	
	23 SI 1A	One	4	4	9-10	01-3049 01-3050	01-3026		
	<del></del>		-		23-1	01-3051	01-3026	<del> </del>	
					23-2	01-3052	01-3026		
	<del>                                     </del>	<b></b>			23-4	01-3055	01-3026	·	
						01-3053	l.		
					23-6	01-3056 01-3054	01-3026		Aug.
····	· · · · · · · · · · · · · · · · · · ·	Two	0	0	9-10			VT-04-678	Aug. BMI VT
		Three	2	0	9-10	<u> </u>	<del> </del> -	VT-06-011	AUG BMI (IN 2004-11)
	24 SI 1B	Two	0	0	24-6	UT-04-154	PT-04-071	l	Aug IN 97-19, Limited UT
					11-10			VT-04-762	Aug. BMI VT
		Three	5	0	24-1	UT-06-030			
					11-10		<del> </del>	VT-06-012	AUG BMI (IN 2004-11)
<del> </del>	25 SI 2A	One	2	2	25-26	00-3083	00-3033		
<del></del>					25-29	00-3084	00-3081		<del></del>
		Two	1	1	13-10	_1	PT-04-073	VT-04-682	Aug. BMI VT
	<del></del>	<del>  -  </del>			25-6	_1	PT-04-072		Aug IN 97-19, Limited UT
	<del> </del>	Three	3	0	25-1	UT-06-031		<del> </del>	11 77-17, Dillinea 01
		168	<del></del> -	<u> </u>	13-10	101-00-031	<del>                                     </del>	VT-06-013	AUG BMI (IN 2004-11)
	26 SI 2B	One	2	2	26-9	00-3190	00-3176	V1-00-013	A00 Billi (iiv 2004-11)
	20 01 20		-		26-11	00-3191	00-3175	ļ <del></del>	<del></del>
		Two	<del></del> -	0	26-6		PT-04-074		Ave. DI 07 10 I imited HT
		IWO		-		01-04-156	P1-04-074	VET 04 740	Aug IN 97-19, Limited UT
		<del>- </del>			15-9			VT-04-746	Aug. BMI VT
		Three	3	0	26-1	UT-06-032		1/7 00 01	
	00 070 0	<del>  _  </del>			15-9	100000	20.00.00	VT-06-014	AUG BMI (IN 2004-11)
	29 PZR Spray	One	2	2	29-10	00-3051	00-3049		
		1			29-11	00-3052	00-3049		
					29-7	01-3405	01-3404		PSE
		<del>   </del>			29-9	01-3406	01-3404		PSE
		Three	3		29-1	UT-06-033			PSE
					29-2	UT-06-034			PSE
				,	29-3	UT-06-035			PSE
	<u> </u>	-			29-4 29-5	UT-06-036 UT-06-037		!	PSE
					29-5 29-9				PSE
	31 PZR Safety	One	1		31-1	UT-06-038 01-3276	01-3272		PSE
	31 PZR Satety		2		31-6	UT-06-041	01-32/2		
		Three			31-10	UT-06-041			
9.21	27 PZR Spray	000	4			· · · · · · · · · · · · · · · · · · ·	01 2027		
8.21 & 9.22	21 PZR Spray	One	-4		9-11 27 <b>-</b> 42	<u> </u>	01-3027		
Q 9.22		<del>-</del>			27-42 27-43		01-3027		
		┿┈┼			27-43 27-44		01-3027 01-3027		
		7							
		Two	3		27-8 27-10		PT-04-075 PT-04-076		
		<del>  </del>			27-10 27-16		PT-04-076	<u> </u>	
		+			9-11	<del>  -</del>	1 1-04-0//	VT-04-677	Aug PMINT
	<del></del>	Three	4		9-11	<del> </del>		VT-04-677 VT-06-015	Aug. BMI VT
	28 PZR Spray	One	4		28-31	<del> </del>	00-3070	A 1-00-012	AUG BMI (IN 2004-11)
	20 FAN Opidy	Oile	<del>"</del>			1			<del> </del>
		<del>   </del>			28-32	.1	00-3070		<del></del>
		<del>                                     </del>			28-39	<u> </u>	00-3070		
		<del>  _  </del>			28-40		00-3070		
		Two	4		28-9	1	PT-04-078		
		<u> </u>			28-11	1	PT-04-079		
		<u>                                     </u>		[	11-11		PT-04-080	VT-04-674	Aug. BMI VT

ASME	Zone Comp/Sys	Insp	Amt	Amt	Item ID		Reports	ļ	Remarks
Item no	ļ	Per	Req	Comp		Vol	Surf	Visual	
	<u> </u>				28-20		PT-04-081	ļ	
		Three	3	0	11-11			VT-06-016	AUG BMI (IN 2004-11)
	30 Aux PZR Spray	One	2	2	30-1	00-3053	<u> </u>	<u> </u>	Aug.
		_			30-2	00-3053			Aug.
					30-4		00-3068		
		_			30-7	1	00-3068		
		Three	2	0	30-1 30-2		PT-06-012 PT-06-009		PSE, AUG UT (IEB 88-08 & 97-19) Limited UT PSE, AUG UT (IEB 88-08 &
	32 Drain 1A	One	3	3	8-18		00-3034	<u> </u>	97-19) Limited UT
<u> </u>	OZ BIGILI IV				32-1		00-3034		-
		1		<del></del> -	32-2		00-3034	-	
	<del> </del>	Two	0	0	8-18	<del>- </del>	100 000 :	VT-04-675	Aug. BMI VT
	<del> </del>	Three	0	0	8-18	-	<del> </del>	VT-06-022	AUG BMI (IN 2004-11)
	33 Drain 1B	Two	3	3	33-1		PT-04-087		
					33-5		PT-04-088		<del></del>
	-	1			10-18	1	PT-04-089	VT-04-676	Aug. BMI VT
	<del>                                     </del>	Three	0	0	10-18	1		VT-06-023	AUG BMI (IN 2004-11)
	34 Drain 2A	Two	0	0	12-18			VT-04-679	Aug. BMI VT
*-*-		Three	3	0	12-18			VT-06-024	AUG BMI (IN 2004-11)
	36 Letdown	One	4	4	36-8		00-3201		
					36-9		00-3201		
					36-28		00-3255		
					36-35		00-3255		
		Two	0		14-18	<u> </u>		VT-04-763	Aug. BMI VT
		Three	9		14-18			VT-06-025	AUG BMI (IN 2004-11)
	37 Charging	One	5		37-41		00-3202		
					37-42		00-3202		
		$\perp$			37-43	<u> </u>	00-3202		
				1	37-45		00-3202		
	ļ	1		i	37-47		00-3202		
	<del></del>	Two	1		13-11		PT-04-177	VT-04-680	Aug. BMI VT
	100 LIDOL A	Three	6		13-11		22.224	VT-06-026	AUG BMI (IN 2004-11)
	39 HPSI A	One	2		39-1 39-5		00-3204 00-3203		
	<del> </del>	Two	3		39-12	UT-04-164			Aug UT
	<u>-</u>	1 1110	<del>-</del>	!	39-12 39-13	UT-04-165			Aug UT
	<u> </u>		$\longrightarrow$		39-13 39-24	UT-04-166	†		Aug UT, Limited UT
	40 HPSI B	One	3		40-1		01-3346		Aug 01, Limited 01
	40 NF31 B	Offe	-		40-1	1	01-3346		<del>-</del>
									<u> </u>
		T			40-3	_1	01-3346		<u> </u>
		Two	2		40-6 40-7	UT-04-167	l.		Aug UT
0.04	on non piete	1			40-7	UT-04-168			Aug UT
9.31	06 RCS Piping	One	1		9-8	_	01-3345		
		Two	1		13-8	UT-03-020	MT-03-009		
		Three	3		6-8	UT-06-024		-	
					11-8	UT-06-025			
9.32	06 RCS Piping	One	1		8-17		00-3030		
		Two	1		13-9		MT-03-008		
	22 SD Cooling B	One	1		22-7A		00-3107		
9.40	32 Drain 1A	One	1		32-6		00-3109 01-3318		PSE
					32-8	_i	01-3318		PSE
	38 Drain 1	One	1	1 :	38-5		01-3444		

ASME	Zone Comp/Sys	Insp	Amt	Amt	Item ID	1	Reports	T	Remarks
Item no		Per	Req	Comp		Vol	Surf	Visual	
B10.10	22 SD Cooling 2	Three	1	1	SI193H023		PT-06-001	1	
	26 SI 2B	Three	1	1	SI179H010 ·		PT-06-002	1	
	36 Letdown	One	1	1	RC091H005		00-3255		
					RC091H006		00-3255	1	
		Two	1	1	RC091H006		PT-03-004		
B 12.20	17 RCP 1B	One	1	1	Pump			01-3001	Disassembled
B12.40	31 PZR Safeties	Three	1	1	PSV200-Welds	RT-06-007			Dresser PSV - SN BS-08614
B12.50	24 SI 1B	Interval	2	2	V543-Internals			VT-04-644	Dissassembled
	25 SI 2A			· · · · · ·	V217-Internals			VT-04-647	Dissassembled
	31 PZR Safeties	Three	1	1	PSV200- Internals			VT-06-649	Dresser PSV - SN BS-08614
B 13.10	01 RPV	One	100%	100%	Internal			01-3397 01-3398	Accessible areas
		Two	100%	100%	Internal			VT-04-764	Accessible areas
		Three	1	1	INTERNALS			VT-06-640	Accessible areas
B 14.10	02 Closure Head	One	4	4	2-9	00-3060 00-3061	00-3199		CEDM # 84
					2-9	00-3062 00-3063	00-3199		CEDM # 88
					2-10	00-3064	00-3199		CEDM # 84
					2-10	00-3065	00-3199		CEDM # 88
		Two	4	4	2-09	UT-03-026	PT-03-007		CEDM # 78
					2-09	UT-03-027	PT-03-008	İ	CEDM # 89,
					2-10	UT-03-022	PT-03-005	<u> </u>	CEDM # 78, Limited
		1			2-10	UT-03-025	PT-03-006		CEDM # 89, Limited
		Three	6	6	CEDM-10-71	UT-06-009			
	· · -				CEDM-10-79	UT-06-010			
					CEDM-10-82	UT-06-011			
		-			CEDM-9-71	UT-06-012			
		1			CEDM-9-79	UT-06-013			
		1			CEDM-9-82	UT-06-014	·		
B 15.10, 20, 30, 40, 50, 60, 70	RCS Piping	One	ALL		Press Bound			00-3543 00-3112 01-3058 01-3065 01-3396 01-3464 01-3467 01-3508 01-3509 01-3513 01-3514	Bolting RR 11&12
		Two	ALL	ALL	Press Bound	,		VT-03-429 VT-04-686 VT-04-691 VT-04-778 VT-04-790 VT-04-798 VT-04-801 VT-04-802 VT-04-804	*100% ea. Outage Bolting RR 11&12
	Closure Head	Three	0	0	Head			VT-06-005	Aug BMI AII, NRC Order EA- 03-009
	RCS Piping	Three	1	*	RCS Pres Test			VT-06-027	*100% ea. Outage, Code Case N-498, Bolting RR 11 & 12
F 1.10	20 PZR Surge	One	2	2	RC028H001			00-3010	
					RC028H002			00-3011	
		Two	2	2	RC028H842			VT-03-342	
				1	RC028H844			VT-03-344	

ASME em no	Zone Comp/Sys	Insp	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
EIII 110	<u>!</u>	Three	Req 3	Comp 3	RC028H003	1 401	Journ	VISUAI VT-06-050	
		Inree	3	3	RC028H003		<del> </del>	VT-06-050	KK # 4
<del></del>					RC028H843	<del></del>	ļ	VT-06-051	RR # 4
	04.00.0	<del> </del>				ļ	ļ	ł	KK # 4
	21 SD Cooling A	One	7	7	SI240H010	ļ		00-3007	<del></del>
					SI240H011		<del> </del>	00-3008	
					SI240H013	<u> </u>	<u> </u>	00-3009	
					RC051H001		ļ	01-3028	Support deleted
		<u> </u>			RC051H002		ļ	01-3205	
					RC051H003			01-3206	
					RC051H821			01-3204	<u> </u>
		Two	7	7	RC051H004			VT-03-347	Snubber deleted
					RC051H005			VT-03-349	
					RC051H822			VT-03-357	RR #4
					SI240H002			VT-03-350	RR #4
_					SI240H012		1	VT-03-352	RR #4, Snubber deleted
					SI240H823			VT-03-353	RR #4
					SI240H824			VT-03-355	RR #4
		Three	8	8	SI240H001			VT-06-053	Removed
					SI240H003			VT-06-054	RR # 4
					S1240H004			VT-06-055	RR # 4
					SI240H005			VT-06-056	RR # 4
		1	-		SI240H006		<del></del>	VT-06-057	Removed
					SI240H007			VT-06-058	RR # 4
					SI240H008	<del> </del>	<del> </del>	VT-06-059	RR # 4
					S1240H009			VT-06-060	RR # 4
	22 SD Cooling B	One	4		RC068H005			00-3097	
	•	<del>  </del>			RC068H006			00-3197	<del>                                     </del>
	<del></del>	<del> </del>			SI193H017			00-3095	
	<del></del>	+			SI193H019			00-3096	
		Two	4		SI193H008			VT-03-121	
			<del>-</del>		SI193H009			VT-03-121	RR 4
		<del>                                     </del>			SI193H020		<del></del>	VT-03-125	11114
	<u> </u>				SI193H025			VT-03-124	Snubber deleted
<del></del>		Three	5		RC068H001			VT-06-062	Strupper deleted
	·····	Timee	-		RC068H002			VT-06-063	Removed
					RC068H003			VT-06-064	Kemoved
		<del>  </del>			RC068H004			VT-06-065	
		<del>  </del>			SI193H023			VT-06-066	
	23 SI 1A	One	1		SI207H005	<del></del>	<del></del>	01-3016	Support deleted
	23 31 IA								Support deleted
		Two	2		SI207H007			VT-03-140	<u> </u>
					SI207H011	<del></del>		VT-03-139	<del>-</del>
		Three	2	,	SI207H001			VT-06-067	ļ
	04.01.40	<del>  _  </del>			SI207H003			VT-06-068	
	24 SI 1B	One	2		S1223H003			00-3067	
		1			S1223H004			00-3002	
	<del></del>	Two	2		SI223H001			VT-03-162	RR #4
		<del>  </del>			SI223H002			VT-03-163	Snubber deleted
		Three	1		SI223H008			VT-06-069	RR # 4
:	25 SI 2A	One	2		SI156H007			00-3076	
T		1			SI156H009			00-3077	
		Two	1	1	S1160H001			VT-03-161	
		Three	1	1	SI160H004			VT-06-070	
	26 SI 2B	One	2	2	SI179H009			00-3001	
	<del></del>	<del>                                     </del>	7	<del></del>	SI179H011			00-3198	
		Two	3		SI175H021			VT-03-150	<del></del>

ASME	Zone Comp/Sys	Insp	Amt	Amt	Item ID	1/21	Reports	Maria	Remarks
tem no	<u> </u>	Per	Req	Comp		Vol	Surf	Visual	10
				ļ	SI175H022			VT-03-153	Support deleted
		<u> </u>			S1175H023			VT-03-155	
		Three	2	2	S1179H008			VT-06-071	
	<u> </u>				SI179H010			VT-06-072	Removed
	27 PZR Spray 1A	One	9	9	RC062H026			00-3012	
	<u> </u>				RC062H027	<u> </u>		00-3013	
	<u> </u>				RC062H028	ļ		00-3014	
					RC062H029			00-3015	
					RC062H030			00-3016	
					RC062H031			00-3017	
					RC062H032			00-3018	
					RC062H033			00-3019	
					RC062H034			00-3020	
		Two	8	8	RC016H005			VT-03-049	RR #4
					RC016H006			VT-03-051	RR #4
					RC016H007			VT-03-052	RR #4
		1			RC016H015			VT-03-053	RR #4, Snubber Deleted
				_	RC062H035			VT-03-056	RR #4
		7			RC062H036		_	VT-03-057	RR #4, Spring can deleted
					RC062H037			VT-03-058	RR #4
	· · · · · · · · · · · · · · · · · · ·	1 1			RC062H038		_	VT-03-059	RR #4
	<del></del>	Three	8	8	RC062H020			VT-06-073	Removed
		1			RC062H021		_	VT-06-074	
		1			RC062H022			VT-06-075	Removed
		<del> </del>			RC062H023			VT-06-076	RR # 4
				1	RC062H024			VT-06-077	RR # 4
		+ +			RC062H025		_	VT-06-078	Removed
		<del>                                     </del>			RC062H039			VT-06-079	RR # 4
		1			RC062H040			VT-06-080	Removed
	28 PZR Spray 1B	One	9		RC017H024			00-3003	
		1	<del></del> -		RC017H034			00-3021	+
		+-+			RC017H035		_	01-3021	
		<del>                                     </del>			RC017H036			00-3022	<del> </del>
	<del></del>	<del>  </del>	$-\!+$		RC017H038			00-3022	<del></del>
	<del></del>				RC017H039			00-3023	<u> </u>
					RC017H040			00-3025	<del></del>
		┼──┼			RC017H041			00-3025	<del> </del>
		┤──┤			RC017H042			00-3027	<del> </del>
		Two	8		RC017H042		1	VT-03-065	RR #4
		1 400							
		┦──┤			RC017H044 RC017H045			VT-03-064	RR #4, Spring deleted
		<del>  </del> -						VT-03-062	RR #4
		<del>  </del> -			RC017H046			VT-03-063	RR #4
	<u> </u>	<del>                                     </del>			RC018H009		L	VT-03-061	RR #4
		<del>  </del> -			RC018H010			VT-03-070	RR #4, Spring deleted
		1			RC018H011			VT-03-060	RR #4, Snubber deleted
	<del></del>	<del>                                     </del>			RC018H012			VT-03-055	RR #4
		Three	11		RC017H025			VT-06-081	Removed
		<u> </u>			RC017H026			VT-06-082	
		<del>                                     </del>			RC017H027			VT-06-083	Removed
					RC017H028			VT-06-084	Removed
					RC017H029			VT-06-085	
					RC017H030			VT-06-086	
				T I	RC017H031		•	VT-06-087	<u> </u>
				1	RC017H032			VT-06-088	
		<del>  -</del>	<del></del>		RC017H033			VT-06-089	<del> </del>

	Dan							
L	Per	Req	Comp	<u> </u>	Vol	Surf	Visual	
	_	_		RC017H047			VT-06-090	
				RC017H048			VT-06-091	
29 PZR Spray	One	2	2	RC018H016			00-3037	
				RC018H018			00-3036	
	Two	1	1	RC018H017	· · · ·		VT-03-187	
30 PZR Spray	Three	2	2	CH-521H00A		<u> </u>	VT-06-092	RR#4
	<del>                                     </del>			CH-521H00B		<del> </del>	VT-06-093	RR # 4
32 Drain 1A	One	2	2	RC060H00A			00-3039	
	1							
33 Drain 1B	Two	2	2	, ,				<del></del>
<del></del>	1					<b> </b>		Snubber deleted
34 Drain 2A	Two	-2	2			<del> </del>		
0 1 Dian. 27 1	10							Snubber deleted
35 Drain Line 2R	Three		<del></del>			-		- Chabber deleted
OO EGIGOWII	- Jule	-	3			ļ		<del> </del>
	+ +							
	1							
	1							
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						L		
							00-3217	
	Two	10	10	RC091H002			VT-03-211	RR #4
				RC091H006			VT-03-212	RR #4
				RC091H00P			VT-03-216	RR #4
		t		RC091H00Q			VT-03-217	RR #4
				RC091H00R			VT-03-218	RR #4
			1	RC091H00S				RR #4
						f		RR #4
	1							RR #4
	<del>                                     </del>	<del></del>						RR #4
	+					L		RR #4
<del></del>	Three	11				-		I WORT
				1				RR # 4
	+							RR # 4
·····	+ +			. 1				RR # 4
								RR # 4
· · · · · · · · · · · · · · · · · · ·	+	<del></del> }						RR # 4
<del></del>	+							RR # 4
	<del>  </del>							<u> </u>
	1	.						RR # 4
	<b>∤</b> ——↓	<b></b> ∤						DD # 4
								RR # 4
27.01						!		RR # 4
s/ Charging	One	14						
	<u> </u>							
								PSE
				CH005H026			00-3225	
				CH005H027		10	00-3224	
			- 1	CH005H028	<u> </u>		00-3222	
······································				СН005Н030			00-3226	
	<del>                                     </del>	-		CH005H034				
	1			CH005H035			00-3221	<del> </del>
	29 PZR Spray  30 PZR Spray  32 Drain 1A  33 Drain 1B  34 Drain 2A  35 Drain Line 2B  36 Letdown	Two 30 PZR Spray Three  32 Drain 1A One  33 Drain 1B Two  34 Drain 2A Two  35 Drain Line 2B Three 36 Letdown One  Two  Two  Three  Three	Two 1 30 PZR Spray Three 2 32 Drain 1A One 2 33 Drain 1B Two 2 34 Drain 2A Two 2 35 Drain Line 2B Three 1 36 Letdown One 9  Two 10  Three 11  Three 11	Two 1 1 1 30 PZR Spray Three 2 2 2 3 2 32 Drain 1A One 2 2 2 3 33 Drain 1B Two 2 2 3 35 Drain Line 2B Three 1 1 1 36 Letdown One 9 9 9 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	RC017H048   RC018H016   RC018H016   RC018H018   RC018H018   RC018H017   RC018H017   RC018H017   RC018H017   RC018H017   RC018H017   RC018H017   RC058H008   RC058H008   RC058H008   RC058H008   RC058H008   RC058H008   RC058H008   RC058H008   RC059H008   RC059H008   RC059H006   RC05	29 PZR Spray One 2 2 RC018H016 RC018H017 RC018H017 30 PZR Spray Three 2 2 CH-521H00A CH-521H00B 32 Drain 1A One 2 2 RC058H00A RC060H00B 33 Drain 1B Two 2 2 RC058H00A RC058H00B 34 Drain 2A Two 2 2 RC058H00A RC059H00B 35 Drain Line 2B Three 1 1 RC089H00E RC091H001 RC091H001 RC091H00B RC091H00D RC091H00B RC091H00C	29 PZR Spray	ROSTHOGS   ROSTHOGS

Zone Comp/Sys	Insp	Amt	Amt	Item ID		Reports		Remarks
	Per	Req	Comp		Vol	Surf	Visual	
	1	l	1	CH005H036		<u> </u>	00-3223	
				CH005H042			00-3234	
				CH005H043			00-3486	
				CH005H044			00-3235	
				CH005H0AA			00-3236	
	Two	9	9	CH005H013			VT-03-240	RR #4
				CH005H017			VT-03-243	RR #4
				CH005H018			VT-03-244	RR #4
<del>                                     </del>	1			CH005H019			VT-03-247	RR #4
<del> </del>				CH005H020			VT-03-251	RR #4
		-		CH005H021			VT-03-242	RR #4
	1			CH005H022		<del> </del>	VT-03-252	RR #4
				CH005H032		<del> </del>	VT-03-253	RR #4
				CH005H037			VT-03-241	RR #4
	Three	10	10	CH005H004		· · · · · · · · · · · · · · · · · · ·	VT-06-106	<del> </del>
<del> </del>						<del> </del>		<del>                                     </del>
<del></del>			_					<del>-</del>
<del> </del>	+					<del> </del>		<del>- </del>
<del> </del>	1					<del> </del>		RR # 4
<del> </del>						1		RR # 4
<u> </u>						<del>  -</del>		
<del> </del>	-							
						1		RR # 4
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29 Drain Line 4	Thron					1		RR # 4
								RR#4
39 NF3I A	One	<del></del>						<del></del>
						J		
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								Snubber deleted
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<u> </u>	<u> </u>							
40 HPSI B	One	3						
	1							
								Support deleted
	Two	4						RR #4
!								RR #4
								RR #4
								RR #4
	Three	2						
01 Reactor Vessel	Three	4					VT-06-028	RR # 4
			-	1-41		1	VT-06-029	RR # 4
	1			1-42		<del>                                     </del>	VT-06-030	RR # 4
	1			1-43				RR # 4
03 SG 1	One	1		3-40			01-3319	<del> </del>
	<del></del>							<del> </del>
04 SG 2	Two	1	1 14	1-40		1.	VT-04-471	
		Three  38 Drain Line 1  Three  39 HPSI A  One  Three  Three  Trwo  Two  Two  Two  Three  Three	Two 9  Three 10  Three 10  Three 11  Three 1  Three 5  Three 5  Three 5  Three 5  Three 5  Three 2  O1 Reactor Vessel Three 4	Three 10 10  38 Drain Line 1 Three 1 1  39 HPSI A One 4 4  Three 5 5  Three 5 5  Three 5 5  Three 2 2 2  01 Reactor Vessel Three 4 4	CH005H036   CH005H042   CH005H042   CH005H043   CH005H044   CH005H04A   CH005H04A   CH005H013   CH005H013   CH005H018   CH005H018   CH005H019   CH005H020   CH005H020   CH005H021   CH005H022   CH005H032   CH005H037   CH005H037   CH005H004   CH005H007   CH005H007   CH005H007   CH005H008   CH005H009   CH005H011   CH005H011   CH005H011   CH005H011   CH005H014   CH005H014   CH005H013   CH005H033   CH005H033   CH005H038   CH005H038   CH005H039   CH00	CH005H036   CH005H042   CH005H042   CH005H043   CH005H044   CH005H044   CH005H044   CH005H044   CH005H013   CH005H013   CH005H018   CH005H018   CH005H019   CH005H020   CH005H020   CH005H022   CH005H037   CH005H037   CH005H037   CH005H004   CH005H009   CH00	CH005H036	CH005H036   00-3223     CH005H042   00-3234     CH005H043   00-3236     CH005H044   00-3235     CH005H044   00-3235     CH005H013   VT-03-240     CH005H017   VT-03-241     CH005H017   VT-03-242     CH005H018   VT-03-243     CH005H019   VT-03-247     CH005H020   VT-03-251     CH005H021   VT-03-251     CH005H021   VT-03-253     CH005H032   VT-03-253     CH005H032   VT-03-253     CH005H032   VT-03-253     CH005H037   VT-03-263     CH005H008   VT-06-106     CH005H009   VT-06-106     CH005H009   VT-06-107     CH005H009   VT-06-111     CH005H011   VT-06-110     CH005H014   VT-06-111     CH005H015   VT-06-111     CH005H015   VT-06-113     CH005H016   VT-06-113     CH005H017   VT-06-114     CH005H038   VT-06-115     CH005H039   VT-06-115     CH005H039   VT-06-115     CH005H039   VT-06-116     CH005H039   VT-06-117     CH005H039   VT-06-118     CH005H039   VT-06-118     CH005H039   VT-06-118     CH005H039   VT-06-119     CH005H039   VT-06-119     CH005H039   VT-06-119     CH005H039   VT-06-110     CH005H039   VT-06-120     CH005H039   VT-06-120     CH005H039   VT-06-120     CH005H039   VT-06-120     CH005H039   VT-06-120     CH005H039   VT-06-121     CH005H039   VT-06-120     CH005H039   VT-06-120     CH005H039   VT-06-120     CH005H039   VT-06-030     CH005H039   VT-06-030     CH005H039   VT-06-030     CH005H039   VT-06-030

	16 RCP 1A	Per One Two	Req 2 4	Comp 2 4	16-17 16-18 16-12	Vol	Surf	Visual 00-3489	
	16 RCP 1A	Two			16-18	<del> </del>	<del> </del>		
11		-	4	4		1	1		
11		-	4	4	16 12			00-3528	l
1								VT-03-318	
1					16-13			VT-03-319	
1					16-14			VT-03-320	
1		Three			16-15			VT-03-321	
1			4	4	16-19			VT-06-033	
1					16-20			VT-06-034	
1					16-21			VT-06-035	
1					16-22			VT-06-036	
	7 RCP 1B	One	2	2	17-17			00-3527	
	· · · · · · · · · · · · · · · · · · ·				17-18			00-3527	
		Two	4	4	17-12	ļ		VT-03-322	
					17-13			VT-03-323	
					17-14			VT-03-324	
					17-15			VT-03-325	
		Three	4		17-19			VT-06-037	
					17-20			VT-06-038	
					17-21			VT-06-039	
					17-22			VT-06-040	
18	8 RCP 2A	One	4		18-12			00-3004	
					18-13			00-3004	
					18-14			00-3004	
					18-15			00-3004	
		Two	2	2	18-17			VT-03-330	
					18-18			VT-03-346	
		Three	4		18-19			VT-06-041	
					18-20			VT-06-042	
					18-21	I		VT-06-043	
					18-22			VT-06-044	
19	9 RCP 2B	One	4	4	19-12			00-3005	
					19-13			00-3005	
					19-14			00-3005	
					19-15			00-3005	
		Two	2		19-17			VT-03-348	
					19-18	<u> </u>		VT-03-351	
		Three	4		19-19			VT-06-045	
					19-20			VT-06-046	
		$\perp \perp \mid$		- 1	19-21			VT-06-047	
		<u> </u>			19-22			VT-06-048	
FLYWH 16	6 RCP 1A	One	1		Fly Wheel	01-3426	<u> </u>	·	
		Two	1		Fly Wheel	UT-04-149	1		
		Three	1		FLY WHEEL	UT-06-020	ET-06-001		
17	7 RCP 1B	One	1		Fly Wheel	01-3427			
		Two	1	1	Fly Wheel	UT-04-288			
		Three	1	1	FLY WHEEL	UT-06-021	ET-06-002		
18	RCP 2A	One	1	1	Fly Wheel	01-3428			· · · · · · · · · · · · · · · · · · ·
		Two	1		Fly Wheel	UT-04-289	<del></del>		
		Three	1		LY WHEEL	UT-06-022	ET-06-003		
19	RCP 2B	One	1		Fly Wheel	01-3429			<del></del>
<del></del>		Two	1		Fly Wheel	UT-04-290			
		Three	1		LY WHEEL	UT-06-023	ET-06-004		
		111166	'	'	EI WINEEL	01-00-023	₩ I -00*004		
		}						Į.	
1		1 1	1	- 1				}	

ASME	Zone Comp/Sys	Insp	Amt	Amt	Item ID		Reports		Remarks
Item no		Per	Req	Comp	<u> </u>	Vol	Surf	Visual	
					ASME	Class 2			
C 1.10	141 SG 1	l One	l 1	j 1	41-3	01-3403	[ 1		Examined 0° -180°
	141001		· · ·	<u> </u>	41-4	01-3402	1		Examined 0° -180°
	68 Reg Ht Exch.	One	3	3	68-3	01-3328	<u> </u>		ZAGAMINOG G 100
	- CO TROS TR EXOTE	+			68-5	01-3330			
			-		68-7	01-3332	<del>  </del>	-	_
	69 Letdown Ht Exch	One	50%	50%	69-1	00-3276	<del></del>		Examined 0°-180°
	84 SD HT Exch	Two	50%	50%	74-123	UT-04-141	<del> </del>		Examined 180° - 360°
2 1.20	41 SG 1	One	1	1	41-5	01-3395	<del>  </del>		Examined 0° -180°
	1		2	2	68-4	01-3393		,	Examined 0 -160
	68 Reg Ht Exch.	One	4	-	68-6	01-3329			
2 4 00	11.001						ļļ.		5
2 1.30	41 SG 1	One	1	1	41-1	01-3082			Examined 0° -180°
	42 SG 2	Two	1	1	42-1	UT-03-002 UT-03-030			Examined 0° -180°
	68 Reg Ht Exch.	One	4	4	68-1	01-3326			
		<u> </u>			68-2	01-3327			
					68-8	01-3333			
					68-9	01-3334			
	69 Letdown Ht Exch	One	50%	50%	69-2	00-3277			Examined 0° -180°
	84 SD HT Exch	Two	50%	50%	74-124	UT-04-142			Examined 180° - 360°
2.21	41 SG1	One	1	1	41-62	01-3342	01-3324		
	-	Two	2	2	41-9	UT-04-150	MT-04-094		
					41-10	UT-04-151	MT-04-096		
	42 SG 2	One	1	1	42-63	01-3341	01-3323		
	84 SD HT Exch	Two	1	1	74-122	UT-04-140	MT-04-189		
2.22	41 SG1	Two	2	2	41-9	UT-04-137			
,					41-10	UT-04-138			
	84 SD HT Exch	Two	1	1	74-122	UT-04-139			
3.10	41 SG 1	One	1	1	41-36		01-3400		
	42 SG 2	Two	1	1	42-37		MT-04-098		
	68 Reg Ht Exch.	One	2	2	68-10	<del> </del>	01-3311		<del> </del>
	-	1			68-11	1	01-3311		
3.20	43 MS (East) SG1	Three	2		SG036H016	1	MT-06-008		
	<del> </del>	11			SG036H017		MT-06-009		
	44 MS SG1	Two	1	1	SG033H016	1	MT-03-027		
	45 MS SG2	One	1	1	SG042H014	1	00-3072		
		Two	2	2	SG042H015		MT-03-025		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
		1			SG042H016		MT-03-026		
		Three	1	1	SG042H017		MT-06-010		
	46 MS (West) SG2	Three	1	1	SG045H016		MT-06-011		
I	54 FW SG 1	Three	1		SG002H001		MT-06-012		
	55 Feedwater	One	1	1	SG005H009	†	01-3320		
		+			SG005H006		00-3282		First Interval RR 14
		Three	1		SG005H001		MT-06-013		
· · · · · · · · · · · · · · · · · · ·	62 AF SG1	Two	1		AF018H001		PT-04-119		
	64 Blowdown	One	2	2	SG039H015		01-3343		
			i	į	SG039H017		01-3071 01-3343		
	,	Two	2	2	SG039H001		MT-03-002		
					SG053H005		MT-03-001 PT-03-001		PT performed for inaccessible MT areas
		Three	2	2	SG039H022	ll	MT-06-014		Code case N-460, 92.79%

ASME	Zone Comp/Sys	Insp	Amt	Amt	Item ID	<del> </del>	Reports		Remarks
Item no	ļ	Per	Req	Comp	<u> </u>	Vol	Surf	Visual	<del>- </del>
					SG053H001		MT-06-015		
	65 Blowdown	One	2	2	SG048H020		01-3344		
	<u> </u>				SG052H001	<u> </u>	01-3022		
					SG048H023		00-3283		First Interval RR 14
		Two	3	3	SG048H014		MT-03-028		
					SG048H016 SG048H026		MT-03-004 MT-03-003		<u> </u>
	<del> </del>	Three	1	1	SG046H026		MT-05-005		
	71 LPSI Dsch	One	1	1	SI087H011	<del> </del>	00-3392		
	76 CS Suct	One	1	1	SI009H004	<del> </del>	00-3392		<u> </u>
	83 SD Cooling A	Two	2	2	SI087H004	<del> </del>	PT-04-128		
	CO OD COOMING / C			-	S1090H001	<del>-</del>	PT-04-129		
	88 SI East Wrap	One	1 :	1	SI072H013		00-3055		
	89 SI East Wrap	One	1	1	SI194H014	<del></del>	00-3054		<del> </del>
	91 SI West Wrap	One	4		SI070H009	<del> </del>	00-3265		<del></del>
	'				SI070H011	+	00-3485		<del></del>
<del></del>		_			SI070H012	<del></del>	00-3261		
					S1070H016	<del> </del>	00-3485		
	92 West Wrap	One	1	1	SI241H021		00-3488		
		Two	2	2	SI239H001	<del> </del> -	PT-04-140		<del> </del>
					SI241H016		PT-04-141		
	93 SI West Wrap	Two	1	1	SI089H013	1	PT-04-144	<u></u>	
	94 SI Pipe Chase	Two	2	2	S1070H005		PT-04-147		
					S1070H008	<del> </del>	PT-04-148		<del>                                     </del>
	96 LPSI to Loop 1A	Three	1	1	SI202H017	1	PT-06-010	*	
_	99 LPSI B	Two	1	1	SI174H013		PT-03-009		
	100 LPSI A Suct	One	1	1	SI369H001		00-3151		
		Two	1	1	84-5		PT-03-012		
	101 LPSI Sump B	Three	1		85-5		PT-06-011		
	102 SI A	One	3		SI307H002		01-3242		
					SI307H003		01-3240		
					SI307H015		01-3242		
	103 RF Suct A	Two	2		CH142H020	<u> </u>	PT-03-011		
		_			CH424H006	<u> </u>	PT-03-002		
	104 SI Suct B	Two	1		S1308H003	ļ —	PT-03-003		
0.00	113 HPSI	One	1		SI107H022		01-3244		
3.30	72 LPSI	One	3		72-3A		01-3213		
					72-3B 72-3C	ļ	01-3213		<u> </u>
	75 LPSI B	17000	3		72-30 73-3A	<u> </u>	01-3213 PT-04-122		
	75 LPSI B	Two	<del>-                                    </del>		73-3A 73-3B	ļ	PT-04-122		
	<del></del>	+	$\longrightarrow$		73-3D 73-3C	<u> </u>	PT-04-123		
	78 Cont Spray A	Two	3		80-3-A	<del> </del>	PT-04-125		
	70 Cont Spray A	1 1 1 1 1	<del> </del>		30-3-A	ļ	PT-04-126		<del> </del>
		-	-		30-3-C		PT-04-127		
	116 HPSI A	One	4		116-1A	<del> </del>	01-3233		
		1 7 11 1			116-1B		01-3233		
		+			116-1C		01-3233		
		+			116-1D	<del>                                     </del>	01-3233		
	117 HPSI B	Two	4		117-1A		PT-04-168		Limited PT
		<del>-  -</del>	-+		117-1B	<del>                                     </del>	PT-04-169		
		+			117-1C	<del>                                     </del>	PT-04-170		
		<del>                                     </del>	<del></del>		117-1D	<del>                                     </del>	PT-04-171		Limited PT
4.40	47 MS SG 1	One	20		/170	01-3469			
	48 MS SG 1	One	20		/180	01-3469	<del>  </del>	<del></del>	

ASME	Zone Comp/Sys	Insp	Amt	Amt	Item ID	<del> </del>	Reports	<del> </del>	Remarks
Item no		Per	Req	Comp		Vol	Surf	Visual	<del></del>
	56 FW SG1	Two	40	40	V132	UT-03-028	<u> </u>		
		<u> </u>		<u> </u>	V174	UT-03-029			
5.11	58 AF	One	0	4	58-1	00-3524	00-3273		PSE
& 5.12					58-2	00-3521	00-3273		PSE
					58-3	00-3522	00-3272		PSE
					58-4	00-3523	00-3273	<u> </u>	PSE
		Two	0(1)	0(1)	58-1	RT-04-004	PT-04-176		Aug IEB 79-13 & SER 83-07
		Three	2(1)	0	58-19	RT-06-008			
	59 AF	One	0	3	59-6	01-3460 01-3463	01-3447		PSE
			0(4)	0(4)	59-37	01-3461 01-3462	01-3447		PSE Ave 150 70 42 9 050
,		Two	2(1)	2(1)	59-1	R1-03-001	PT-03-010		PSE, Aug IEB 79-13 & SER 83-07
					59-16C	RT-04-003	PT-04-116		
					59-34	UT-04-247	PT-04-117		
	62 AF SG1	Two	1	1	62-24	UT-04-258	PT-04-118		Limited UT
	63 AF	One	1	1	63-4	01-3446	01-3392		<del>                                     </del>
		Two	1	1	63-30	UT-04-259	PT-04-120		Limited UT
	70 & 73LPSI	One	1	1	70-58	00-3455	00-3448	<u> </u>	
	Suct A & B	Two	1	1	70-61	UT-04-261	1		
	82 & 85 SD	One	2	2	72-50	00-3479	00-3390	<u> </u>	
	Cooling A & B				73-49	01-3347	01-3245		
	83 & 86 SD	One	4	4	74-19	00-3480	00-3391		
	Cooling A & B				74-21	00-3482	00-3391		<del>-</del>
- <del></del>					74-22	00-3481	00-3391		
		-			74-105	00-3483	00-3391	<del></del>	
	88 & 91 East &	One	6		78-16	00-3195	00-3147	<u> </u>	
	West Wrap				74-44	00-3484	00-3264		<del>                                     </del>
			$\overline{}$		76-2	00-3487	00-3263		<del> </del>
					76-21	01-3278	01-3217	<del></del>	<del> </del>
	<del></del>			1	77-7	01-3246	01-3217		<del>                                     </del>
					77-14	01-3279	01-3217	<del></del>	
		Two	7	. !	78-9J	UT-04-262		· · · · · · · · · · · · · · · · · · ·	<del>                                     </del>
			<del> </del>		78-11	UT-04-263		<del></del>	<del> </del>
			-		79-14	UT-04-264	l !		Limited UT
					76-7	UT-04-265		<del></del>	Limited UT
					76-8	UT-04-266		<del></del>	Elimica o i
				1	77-8	UT-04-267			
		-+			77-16	UT-04-268			Limited UT
	93 SI West Wrap	Two	1		84-9	UT-04-269		<del></del>	Limited UT
	94 & 95 SI	One	1		74-40		01-3215		Elimica o i
		Two	2		74-37	UT-04-270			<del> </del>
			-		74-38	UT-04-271			<del></del>
	96 - 99 LPSI Loop	One	3		78-45		00-3173		
	1A,1B, 2A, 2B			1	78-47	1	00-3174		
	,	-		j_	79-23		01-3389	······	<u> </u>
		Two	2		77-22	UT-04-272		<del></del>	<del>                                     </del>
<del></del>  -		5			77-27	UT-04-273		<del></del>	Limited UT
	100 & 101 LPSI Suct	Two	2	L	70-121	UT-04-273			Limited UT
	TOO & TOT LEST SUCL	1 440			84-3	UT-04-274			Limited UT
		One	1		84-12	1	01-3240		Entitled O1
	102 SI A								

ASME	Zone Comp/Sys	Insp	Amt	Amt	Item ID		Reports		Remarks
tem no		Per	Req	Comp	<del></del>	Vol	Surf	Visual	<u>.</u>
	104 SI Suct B	One	1	1	85-46	01-3468	01-3391 01-3458		PSE
	105 RF Suct B	One	1	_ 1	87-23	01-3253	01-3241		
5.21	106 & 107 HPSI	One	4	4	106-1	01-3199	01-3197		
					106-21	01-3219	01-3218		
					107-11	01-3248	01-3237		
					107-42	01-3247	01-3237		
	108 & 109 HPSI	One	2	2	109-4	01-3202	01-3072		
					109-21	01-3200	01-3072	<u> </u>	
		Two	3	3	108-1	UT-04-276	PT-04-159		
					108-4	UT-04-277	PT-04-160		
	<del>                                     </del>				108-25	UT-04-278	PT-04-161		
	110 & 111 HPSI	One	2	2	110-6	01-3203	01-3071		
					110-39	01-3198	01-3071		<del></del>
		Two	3	3	110-17	1	PT-04-162		Limited UT
					110-52	UT-04-280	1		Limited UT
	<del> </del>	<del> </del>			111-34		PT-04-164		Limited UT
	112 & 113 HPSI		3		112-1	01-04-281	01-3238		Entitled OT
	112 & 113 HPSI	One				_1	11		<del></del>
					112-33	01-3250	01-3238		
					112-45	01-3249	01-3238		
		Two	2	2	113-21		PT-04-165		Limited UT
					113-28	_!	PT-04-166		Limited UT
	114 & 115 HPSI	One	1	1	115-13	01-3336	01-3393		
	118 & 119 HPSI	Two	4	4	118-49	UT-04-284	PT-04-172		Limited UT
					119-26	UT-04-285	PT-04-173		
					119-52	UT-04-286	PT-04-174	· · · · · · · · · · · · · · · · · · ·	Limited UT
					119-53	UT-04-287	PT-04-175		Limited UT
5.30	106 & 107 HPSI	One	1	1	107-53	+	01-3237	<del></del>	<u> </u>
5.41	82 & 85 SD Cooling	One	1	1	72-49B	+	00-3390		
	88 & 91 Wraps	One	1	1	74-102	<del> </del>	00-3262		
5.51	43 MS SG1 90	One	1	1	43-2	00-3111	00-3071		
	44 MS SG1 270	One	1	1	44-1	00-3150	00-3073		
	46 MS SG2 90	One	1	<del>-</del>	46-25	00-3192	00-3094		
	54 FW SG 1	One	$\frac{1}{1}$	_ <del>_</del>	54-41	01-3212	01-3201	<del></del>	
		Two	1		54-1	UT-03-031	MT-03-022		PSE
	55 FW SG 2	One	2		55-1	01-3024	01-3023		
		-			55-15	•	01-3023		
		Two	1		55-1	UT-03-033	, ,		PSE
					55-15	UT-03-032			PSE
					55-26	UT-04-235	! 1		T-3E
	50.45.004		45						
	58 AF SG1	One	1(5)	, , ,	41-33		00-3272		
					(58-1)		00-3273		
					(58-12)		00-3031		() signifies Aug.
					(58-13)		00-3031		examinations
		4			(58-16)		00-3031		
	•	<del> </del>			(58-16A)		00-3031		<u> </u>
]		Two	1(4)	_ , , ,	58-12	UT-04-236			Aug IEB 79-13 & SER 83-07
					58-13	UT-04-237	MT-04-168		Aug IEB 79-13 & SER 83-07
					58-16	UT-04-238	MT-04-169		Aug IEB 79-13 & SER 83-07
		1			58-16A	UT-04-239	MT-04-170		Aug IEB 79-13 & SER 83-07
		<del>                                     </del>			58-25	UT-04-240	MT-04-171		
	59 AF SG2	One	0(5)		(59-1)		00-3260		
ļ			-\-'-		(59-12)		00-3032		

ASME	Zone Comp/Sys	Insp	Amt	Amt	Item ID	<del></del>	Reports	T	Remarks
Item no		Per	Req	Comp	1	Vol	Surf	Visual	
	<u> </u>	<del>-i</del>	<u> </u>		(59-13)	00-3041	00-3032	1	1
					(59-16)	00-3042	00-3032		<del></del>
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	·	<del></del>			59-16	•	MT-04-175	<del></del>	Aug IEB 79-13 & SER 83-07
					59-16A	•	MT-04-176	-	Aug IEB 79-13 & SER 83-07
					59-25	UT-04-246	MT-04-177	<del> </del>	<del> </del>
		Three	1(4)	0	59-18	UT-06-043			<del></del>
	64 Blowdown	One	1	1	64-1	01-3339	01-3322		<del>}</del>
		Two	1	1	64-30	l	MT-04-188	<del> </del>	<del> </del>
	65 Blowdown	One	1		65-28	01-3340	01-3321	· · · · · · · · · · · · · · · · · · ·	
		Three	2		65-52	UT-06-044			
C 6.10	116 HPSI A	One	1	1	116-2		01-3243		
	117 HPSI B	Two	1	1	117-1	<del> </del>	PT-04-167		
C 7.10,	Periodic	One	n/a		n/a			01-3054	
7.30, 7.50, 7.70	Pressure Test	Two	n/a	n/a	n/a			01-3057 01-3061 01-3062 01-3065 to 01-3069 01-3070 01-3220 to 01-3232 01-3355 01-3361 01-3361 01-3365 to 01-3361 01-3390 01-3396 01-3464 to 01-3467 01-3508 to 01-3508 to 01-3514 to 01-3516 01-3518 to 01-3518 to 01-3518 to 01-3518 to 01-3519 01-3522 01-3522 01-3523 01-3522 01-3523 01-3525 02-3010 to 02-3013 02-3015 02-3021 02-3024 to 02-3047 VT-04-687 VT-04-687 to VT-04-697 VT-04-701 to VT-04-701 to VT-04-701	
								VT-04-718 to VT-04-720 VT-04-722 VT-04-739 to	

ASME	Zone Comp/Sys	Insp	Amt	Amt	Item ID	г	Reports	Т	Remarks
Item no	1	Per	Req	Comp	1	Vol	Surf	Visual	
1 testi ilo	<u>                                      </u>	-	1 1104	i oump	<del> </del>	1	1 02	VT-04-741	<u></u>
1			<b>!</b>	<b>!</b>	ļ	ł		VT-04-744	
ľ		1	<b>i</b> 1	ĺ	ĺ	•		VT-04-745	
1								VT-04-747 to	
1								VT-04-752	
1	1			ļ	1	ļ	1	VT-04-767	1
							}	VT-04-768	
								VT-04-770 to	1
l						İ		VT-04-772	
ľ		ľ			1		l	VT-04-776 to VT-04-779	
								VT-04-779	
								VT-04-788 to	
			'				}	VT-04-795	}
		ľ					}	VT-04-799 to	
					1	ļ		VT-04-804	
						1		VT-05-1143	
		1 1				1		lto	}
ļ		[			ļ			VT-05-1146	Į.
								VT-05-600 VT-05-604 to	
						1		VT-05-604 to	İ
	}		' l		1		1	VT-05-608	1
			ĺ					VT-05-615 to	1
								VT-06-618	]
			1				Ì	VT-06-021 to	)
		1 1	ĺ			[	<b>[</b>	VT-06-630	[
			ļ					VT-06-632 to	
		i						VT-05-638	
F4 90	44.60.4	<del>-    </del>	<del></del> -		41-36			VT-05-640 01-3443	<u> </u>
	41 SG 1	One	2	2					
& F1.40	10.00.0				41-37			01-3445	
	42 SG 2	Two	2		42-36			VT-04-472	
			1		42-37			VT-04-473	
	43 MS SG 1 90	One	2	2	SG036H017			00-3075	]
					SG036H884			00-3410	
		$\top$			SG036H885			00-3411	
<del></del>	****	Two	1	1	SG036H011			VT-03-359	
		Three			SG036H011		_	VT-05-558	RR # 4, Aug
		111166	-	-	3003011011			VT-06-687	RR # 4, PSE
		_							
					SG036H016		_	VT-05-559	RR # 4
					SG036H017			VT-05-560	RR # 4
	44 MS SG1 270	One	2	2	SG033H017			00-3078	
		$\neg \neg \neg$			SG033H018			00-3079	
		Two	3		SG033H016			VT-03-393	
<del></del>					SG033H881			VT-03-255	RR #4
			<del></del> +		SG033H882			VT-03-256	RR #4
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	<del> </del>	Three							RR # 4
					SG033H016			VT-05-562	RR # 4, Aug
}		1	- 1	1	SG033H017			VT-05-563	RR # 4, Aug
							1	VT-06-688	RR # 4, PSE
	45 MS SG 2 270	One	1	1	SG042H014			00-3074	
		Two	3	3	SG042H011			VT-03-257	RR #4
<del></del>	<del></del>	<del>-  </del>	+		SG042H015			VT-03-258	Snubber deleted
ļ		[	ļ	Į				VT-04-670	
<del></del>	<del></del>				SG042H016			VT-03-394	
1			- }	-	3304ZHU10	l			RR #4
1		Three	3	3	SG042H011	İ		VT-05-564	RR # 4, Aug
								VT-06-689	RR # 4, PSE
			$\neg \neg$		SG042H016			VT-05-565	RR # 4, Aug
I									_
				1	SG042H017 I		J	VT-05-566 I	RR # 4
					SG042H017 SG042H890	<del></del>		VT-05-566 VT-06-122	RR # 4

ASME	Zone Comp/Sys	Insp	Amt	Amt	Item ID		Reports		Remarks
Item no		Per	Req	Comp		Vol	Surf	Visual	<del>                                     </del>
	i	1	i		SG042H891		<u> </u>	VT-06-123	<u> </u>
	46 MS SG 2 90	One	2		SG045H017			00-3098	
					SG045H018	<b></b>	<del> </del>	00-3099	
	<del> </del>	Two	3	3	SG045H011	· · · · · · · · · · · · · · · · · · ·	<del>                                     </del>	VT-03-362	
		<del> </del>			SG045H887			VT-03-365	
					SG045H888			VT-03-367	
		Three	1	1	SG045H011		<del> </del>	VT-05-567	RR # 4, Aug
					SG045H016	·		VT-05-568	RR # 4
		1			SG045H017			VT-05-569	RR # 4, Aug
								VT-06-690	RR # 4, PSE
	47 MS SG1 270	One	1		SG206H001			00-3529	
	48 MS SG 1	Two	1	_1_	SG207H001			VT-04-474	
	51 ADV SG1	One	1	1	SG059H006			00-3449	
		Two	1	1	SG070H006			VT-04-475	<u> </u>
	53 Steam to AF	One	_ 4		SG081H001			00-3106	
					SG081H002			00-3105	
			]		SG083H001			00-3104	
					SG083H002			00-3103	
		Two	2		SG081H004			VT-03-261	Snubber Deleted
			_		SG083H004			VT-03-262	Snubber Deleted
	54 FW SG 1	One	7	7	SG002H004			01-3208	
					SG002H005			01-3209	
					SG002H012			01-3018	
					SG002H013			01-3214	
					SG002H014			01-3210	
					SG002H015			01-3211	
	-	1 1			SG002H803			01-3019	
		Two	6	6	SG013H001			VT-03-395	RR #4
					SG013H802			VT-03-412	RR #4
					SG002H009			VT-03-396	RR #4
	<del></del>				SG002H010			VT-03-397	RR #4
		11			SG002H011			VT-03-402	RR #4
		1		-	SG002H806			VT-03-415	Support deleted
		Three	6		SG002H001			VT-06-124	1 - 4 1 - 4 1
		<del>                                     </del>			SG002H002			VT-06-125	RR # 4
	<del></del>	1			SG002H003			VT-06-126	RR # 4
					SG002H006			VT-06-127	
		1 1			SG002H008			VT-06-128	
		1-1			SG002H807			VT-06-129	RR#4
- 1	55 FW SG 2	One	8		SG005H009			01-3350	
		┪	-		SG005H010			01-3348	
		+			SG005H011			01-3349	<del> </del>
-+	<del></del>	<del>                                     </del>			SG005H012		1	01-3011	
	<del></del>	+			SG005H805			01-3011	<del>                                     </del>
<del> </del> -		╅╾╌┼╴			SG005H809			01-3014	Support deleted
		┼──┼	<del> </del> -		SG014H001			01-3014	- apport deleted
<del></del>		+ +			SG014H804			01-3015	<del>                                     </del>
		Two	7		SG005H004			VT-03-133	RR #4
	<u> </u>		-+		SG005H005			VT-03-133 VT-03-134	RR #4
ł				`	300011000	ļ		VT-03-134 VT-03-385	RR #4, Re-exam
		1			SG005H006		,	VT-03-259	RR #4
	<del></del>			1	SG005H007			VT-03-130	RR #4
			$\neg \uparrow$		SG005H008			VT-03-132	RR #4
		<del>                                     </del>	<del> </del> -		SG005H013			√T-03-131	
		1 1	- 1	13	SGUUSHU IS I	i i	Į.	V 1-03-13 I	RR #4

ASME	Zone Comp/Sys	Insp	Amt	Amt	Item ID	<u> </u>	Reports		Remarks
tem no	<u> </u>	Per	Req	Comp		Vol	Surf	Visual	
		Three	4	4	SG005H001		<u> </u>	VT-06-130	
					SG005H002			VT-06-131	RR # 4
					SG005H003			VT-06-132	RR # 4
					SG005H808		1	VT-06-133	
	56 FW SG1	Two	1	1	SG202H001			VT-04-476	RR #4
	58 AF	One	7	7	SG008H002			01-3436	
		_			SG008H003			01-3435	
					SG008H004			01-3434	
	<del></del>	7			SG008H005			01-3433	
				**	SG008H020			01-3432	
	<del></del>				SG008H901		<del> </del>	01-3431	
					SG008H903		1	01-3430	· · · · · · · · · · · · · · · · · · ·
		Two	7		SG008H006			VT-03-147	<u> </u>
		<del>-  </del>			SG008H007			VT-03-160	RR #4
					SG008H008		-	VT-03-151	<del>                                      </del>
					SG008H009		<u> </u>	VT-03-158	RR #4
		1			SG008H010		<del> </del>	VT-03-137	RR #4
_					SG008H011		<del></del>	VT-03-137	RR #4
		-			SG008H017		-	VT-03-143	RR #4
		Three	8		AF004H001			VT-06-134	100
		111166			SG008H012		<del> </del>	VT-06-135	<u> </u>
					SG008H012		<del> </del>	VT-06-136	· · · · · · · · · · · · · · · · · · ·
					SG008H013		<del> </del>	VT-06-136	<del> </del>
		-							
		<del>  -  </del>			SG008H015			VT-06-138	
					SG008H016			VT-06-139	
					SG008H018			VT-06-140	
		1_			SG008H019			VT-06-141	<u> </u>
	59 AF	One	6		AF006H001			00-3238	
		$\perp$			SG011H008			00-3240	
		<u> </u>			SG011H009			00-3239	
				1	SG011H010			00-3241	
					SG011H011			00-3242	
					SG011H012			00-3237	
		Two	6	6	SG011H013			VT-03-358	RR #4
					SG011H014			VT-03-360	RR #4
					SG011H015			VT-03-361	RR #4
					SG011H016	-		VT-03-363 VT-04-477	RR #4
		1	$\neg \uparrow$		SG011H018			VT-03-368	RR #4
		<del>                                     </del>			SG011H019			VT-03-370	RR #4
		Three	9		SG011H002		1	VT-06-142	<u> </u>
	<del></del>	<del>  </del>			SG011H003	•		VT-06-143	RR # 4
	<del></del>	<del>  </del>			SG011H004			VT-06-144	RR # 4
		<del>                                     </del>			SG011H005		L	VT-06-145	RR#4
					SG011H006	<del></del>		VT-06-146	IXIX # 4
		<del>  -  </del>			SG011H007			VT-06-147	<del> </del>
	<del></del>	<del>  </del> -			SG011H007				
	·····	<del>  </del>	<del></del>					VT-06-148	
		<del>                                     </del>	<del></del>		SG011H020 SG011H902	-		VT-06-149	DD # 4
	60 DW 604	<del> </del>	<del>-  </del>					VT-06-150	RR # 4
	60 FW SG1	One	1		SG200H009			00-3530	
	<del></del>	11			SG200H013			00-3534	PSE
					SG200H014			00-3533	PSE
	61 FW SG 2	One	0		SG203H013			00-3531	PSE
					SG203H014			00-3532	PSE
		Two	2	2	G203H013		Ţ,	VT-04-478	1.

ASME	Zone Comp/Sys	Insp	1	Amt	Item ID	<u> </u>	Reports	ļ- <u>,,,</u> -	Remarks
Item no	ļ	Per	Req	Comp		Vol	Surf	Visual	
			ļ <u>.</u>		SG203H014			VT-04-479	
	62 AF SG1	One	1	1	AF004H003			00-3102	
		Two	1	1	AF018H001		<u></u>	VT-04-480	
	63 AF SG2	One	2	2	AF006H002	<u> </u>		00-3100	
		]			AF016H001		<u> </u>	00-3101	
		Two	2	2	AF006H003			VT-04-481	
					AF006H005			VT-04-482	
	64 Blowdown	One	10	10	SG039H010			01-3032	
					SG039H011			01-3033	Support deleted
					SG039H012			01-3034	
					SG039H013			01-3035	Support deleted
		- <del> </del>			SG039H014			01-3036	Support deleted
					SG039H015			01-3037	
	<del></del>				SG039H016			01-3038	
					SG039H017			01-3039	Support deleted
	· · · · · · · · · · · · · · · · · · ·				SG039H026			01-3040	
			-		SG053H002			01-3020	Support deleted
	-	Two	12	12	SG039H001			VT-03-386	Snubber deleted
-	<u> </u>	-			SG039H002		<del></del>	VT-03-069	Support deleted
		<del>- </del>			SG039H003		<del></del>	VT-03-104	Snubber deleted
<del></del> -		<del>- </del>			SG039H004			VT-03-105	RR #4
	<del></del>	<del> </del>			SG039H005			VT-03-106	RR #4
		-			SG039H006			VT-03-107	Snubber deleted
	<u> </u>				SG039H027			VT-03-108	Snubber deleted
					SG053H003			VT-03-166	Support deleted
	<del></del>				SG053H004			VT-03-000	RR #4
					SG053H005			VT-03-103	INI 11-4
	<del></del>	-	-		SG053H005			VT-03-111	Support deleted
								VT-03-068	
		Thron	-6		SG053H007				Snubber deleted
		Three	-		SG039H009			VT-06-151	RR # 4
		1 -			SG039H018			VT-06-152	RR # 4
					SG039H022			VT-06-153	
					SG039H024			VT-06-154	
		<u> </u>			SG039H025			VT-06-155	RR # 4
		<del>  _  </del>			SG053H001			VT-06-156	
	65 Blowdown	One	10		SG048H002			01-3010	Support deleted
		-[]			SG048H003			01-3043	Support deleted
					SG048H004			01-3044	
		<del>  _  </del>			SG048H019			01-3045	Support deleted
	<u> </u>	<u>                                     </u>			SG048H020			01-3046	Support deleted
					SG048H021			01-3047	
					SG052H001			01-3008	Support deleted
				-	SG052H002			01-3009	Support deleted
					SG052H003			01-3041	Support deleted
					SG052H004			01-3042	
		Two	11		SG048H013			VT-03-110	Snubber deleted
					SG048H014			VT-03-389	
				;	SG048H015			VT-03-113	Snubber deleted
				- 1	SG048H016			VT-03-115	
7		1 1			SG048H017			VT-03-426	RR #4, Snubber deleted
<del>-  </del>		1			SG048H018			VT-03-118	
		1			SG048H022			VT-03-120	Snubber deleted
<del></del>	<del></del>	<del>  </del>			SG048H023			VT-03-123	RR #4
		$\longrightarrow$	<del> </del> -		G048H024			VT-03-126	RR #4

ASME	Zone Comp/Sys	Insp	Amt	Amt	Item ID		Reports	l	Remarks
tem no		Per	Req	Comp		Vol	Surf	Visual	
					SG048H026	<u> </u>		VT-03-129	Snubber deleted
		Three	6	6	SG048H005			VT-06-157	RR # 4
					SG048H010			VT-06-158	
					SG048H011			VT-06-159	
					SG048H027			VT-06-160	RR # 4
					SG048H028	<u> </u>		VT-06-161	RR#4
		1 -			SG052H005			VT-06-162	RR # 4
	68 Reg Ht Exch.	One	2	2	68-10			01-3312	
					68-11			01-3312	
	70 LPSI Suct A	One	1	1	SI067H004			00-3249	
	71 LPSI Dsch A	One	1	1	SI087H011	l		00-3394	
	<u> </u>	Two	5	5	SI078H001	<del></del>		VT-03-335	RR #4
_		1			SI078H002			VT-03-334	RR #4
		1			SI087H001	<del>                                     </del>		VT-03-331	RR #4
		<del>                                     </del>			SI087H002			VT-03-332	RR #4
		<del>  </del>			SI087H003			VT-03-333	RR #4
	72 LPSI	One			72-3A	<u> </u>		01-3207	1
	72 21 01	+	<del>-</del>		72-3B			01-3207	
	· <del>-</del> —	-├			72-3C			01-3207	
	73 LPSI Suct B	One	0		SI308H012			00-3120	PSE
	73 LPSI SUCI B						ļ	VT-03-112	RR #4
	75 1 001 0	Two	1		SI308H014				RR #4
	75 LPSI B	Two	3		73-3A			VT-04-483	
	<u>-</u>	-			73-3B	ļ <u> </u>		VT-04-484	ļ
					73-3C			VT-04-485	
	76 CS Suct A	One	1		S1009H004			00-3395	
					SI067H001			01-3256	PSE
					Si067H003			01-3257	PSE
	77 CS Dsch A	One	4		S179H001			00-3243	
_					S179H002			00-3244	
					S1079H003			00-3246	
					SI079H004			00-3245	
		Two	3	3	SI079H005			VT-04-486	RR #4
·					SI079H006			VT-04-487	RR #4
	···-	1			SI082H002			VT-04-488	RR #4
	78 Cont Spray A	Two	3		80-3A			VT-04-489	
<del>[</del>		1			80-3B			VT-04-490	
		<del>                                     </del>		1	80-3C			VT-04-491	<del></del>
	79 CS Suct B	One	3	1	SI034H001			00-3169	
		<del>                                     </del>	<u> </u>		S1034H002			00-3168	
		<del>                                     </del>	-		SI034H003	-		00-3167	
		<del>                                     </del>			SI034H001			00-3128	PSE
		<del>                                     </del>			S1034H003			00-3120	PSE
		+			S103411003 S1033H004			00-3122	PSE
		+			S103311004 S1034H006			00-3117	PSE
		Tue	4						
—— <u> </u>	90 CC Deeb B	Two	1		S1033H004			VT-04-492	RR #4
	80 CS Dsch B	One	3		SI119H007			00-3166	
		<del>                                     </del>	<u> </u>		SI119H008			00-3165	
		<del>  _  </del> -			SI119H009		•	00-3164	
		Two	4		SI119H001		I	VT-04-493	RR #4
1		1 1			SI119H002			VT-04-494	RR #4
					SI119H003			VT-04-495	RR #4
				;	SI119H004			VT-04-496	RR #4
1	82 SD Cooling A	One	2	2 :	SI078H005			00-3248	
<del></del>		<del>                                     </del>			SI079H010			00-3247	
	83 SD Cooling A	One	4	4 3	SI087H009			00-3250	<del></del>

ASME	Zone Comp/Sys	Insp	Amt	Amt	Item ID		Reports	<u> </u>	Remarks
Item no		Per	Req	Comp		Vol	Surf	Visual	
				1	S1089H001		1	00-3253	
					S1089H002			00-3251	
			-		S1089H003			00-3252	
		Two	3	3	S1087H004			VT-04-497	
					S1090H001			VT-04-498	
					S1090H002			VT-04-499	
	85 SD Cooling B	One	3	3	SI119H010			00-3158	
					SI123H006	"	1	00-3160	
					SI123H007			00-3159	
	<del></del>	Two	6	6	SI119H011		1	VT-04-500	RR #4
	<del></del>				SI119H013	<u> </u>	1	VT-04-723	RR #4
		-			SI119H014			VT-04-724	RR #4
		1			SI123H002	<del> </del> -	<del> </del>	VT-04-501	RR #4
		-			SI123H005			VT-04-502	RR #4
	<u> </u>	+			SI123H008		<del> </del>	VT-04-503	RR #4
	86 SD Cooling B	One	3		SI129H010		<del> </del>	00-3157	
		1 - 1	<u> </u>		SI129H011	<del> </del> -	<del> </del> -	00-3156	<del></del>
	<del></del>	-			SI129H012		<del> </del>	00-3155	
		Two	7		SI072H005		l	VT-04-504	RR #4
		10			SI072H006			VT-04-505	RR #4
		1			SI129H007			VT-04-506	RR #4
	<u> </u>				SI129H008		<del> </del>	VT-04-507	RR #4
					SI135H001			VT-04-507	RR #4
		┪━━┪			SI135H002		<del>                                     </del>	VT-04-509	RR #4
		1			SI135H002		<del> </del>	VT-04-509 VT-04-510	RR #4
	88 East Wrap	One	- 8		S1072H011	<u> </u>		00-3056	IXX #4
	oo East wrap	One	-		S1072H011	<u> </u>			
					S1072H013			00-3058	
								00-3057	
		ļ.——			SI072H021		<u> </u>	01-3451	
	·				SI072H022		ļ	01-3452	
		-			SI073H001			01-3448	
					SI073H002			01-3449	
					S1073H003			01-3450	
	89 East Wrap	One	4		S1194H012			00-3154	
		11			S1194H013			00-3153	
		]			SI194H014			00-3059	
	<del></del>	<b> </b>			SI194H023			00-3152	
	T	<u> </u>			SI194H013			00-3177	PSE
!	90 SI East Wrap	Two	2		S1134H009		1 1	VT-04-511	RR #4
					SI134H010			VT-04-512	RR #4
!	91 West Wrap	One	7		S1070H009			00-3398	
		1			SI070H010			00-3397	
					SI070H011		l	00-3413	
					SI070H012			00-3399	
					SI070H013			00-3414	
					SI070H014			00-3415	
					SI070H015			00-3396	
					SI070H016			00-3412	
		Two	2	2	SI071H002			VT-04-513	RR #4
		1			SI071H003			VT-04-514	RR #4
- 19	92 West Wrap	One	5	5	SI239H003			00-3402	
	<u> </u>	<del>                                     </del>			SI241H009			01-3260	PSE
	·	<del>                                     </del>			SI241H011			01-3261	PSE
		+			SI241H012			00-3274	
		1 1	- 1	- 1	- · - · · · · · · · · · · · · · · · · ·			01-3262	PSE

ASME	Zone Comp/Sys	Insp	Amt	Amt	Item ID	<del></del>	Reports	1	Remarks
m no	ļ	Per	Req	Comp		Vol	Surf	Visual	
					SI241H014			00-3400 01-3263	PSE
					SI241H015		<u> </u>	00-3401	
					SI241H021			00-3490	
		Two	5	5	SI239H001			VT-04-515	
					SI239H002			VT-04-516	
					SI241H009			VT-04-517	RR #4
					SI241H011			VT-04-518	RR #4
					SI241H016			VT-04-519	Support deleted
	93 SI West Wrap	Two	2	2	SI089H010			VT-04-520	RR #4
					SI089H013			VT-04-521	RR #4
	94 LPSI A	One	3	3	S1089H007		<del> </del>	00-3467	<del></del>
	<del></del>	1			S1089H008		<del>                                     </del>	00-3466	
					SI089H009			00-3465	
		<del>                                     </del>			SI241H005			01-3258	PSE
		+			SI241H007		<del> </del>	01-3259	PSE
		+	-		SI241H008			01-3271	PSE
		Two	<del>-</del> 6	6	SI241H006		<del> </del>	VT-03-189	RR #4
		<del>       </del>	<del> </del>		SI241H007			VT-03-190	RR #4
					SI241H008			VT-03-191	RR #4
		+			SI241H017		<del> </del>	VT-03-191	NN #**
		<del> </del>			S1070H004		l <del></del>	VT-03-192 VT-04-522	RR #4
		+			S1070H004			VT-04-522 VT-04-524	INN #4
	95 LPSI B	1000	6			_			
	90 LPSI B	One	-		SI072H008			00-3464	
		<u> </u>			SI072H010			00-3459	
		<del>  </del>			SI134H011			00-3458	
	· · · · · · · · · · · · · · · · · · ·	<del>  </del>			SI134H012			00-3542	
					SI194H003			00-3506	
					SI194H005			00-3511	
					SI194H005			00-3126	PSE
	·				SI194H007		. <u></u>	00-3125	PSE
	<u></u> _			1	S1194H015			00-3124	PSE
					SI194H021			00-3119	PSE
		Two	10		SI072H007			VT-03-135	
					S1072H009			VT-03-136	
					SI194H004			VT-04-525	RR #4
		11			SI194H007			VT-04-526	RR #4
					S1194H008			VT-04-527	RR #4
					SI194H009			VT-04-528	RR #4
					SI194H010			VT-04-529	RR #4
					SI194H011			VT-04-530	RR #4
					S1194H015			VT-04-531	RR #4
					SI194H021			VT-04-532	
	96 LPSI 1A	One	3	3	SI202H007			00-3496	<del> </del>
		1			S1202H008			00-3495	
					S1202H009			00-3494	
		Two	8	8	SI202H002			VT-03-232 VT-04-533	RR #4
		† †			SI202H003			VT-03-233 VT-04-534	RR #4
					SI202H004			VT-03-234 VT-04-535	RR #4
					SI202H005			VT-03-235 VT-04-536	RR #4, Snubber deleted

#### APPENDIX A

#### INSERVICE INSPECTION SUMMARY REPORT

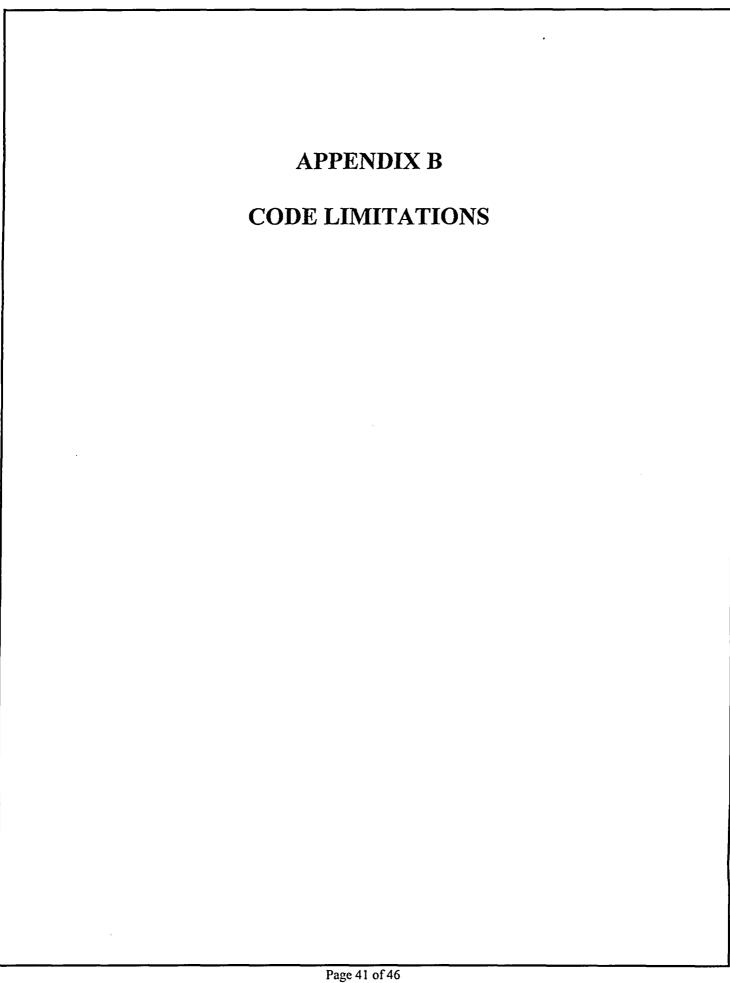
ASME	Zone Comp/Sys	Insp	Amt	Amt	Item ID		Reports	1	Remarks
em no		Per	Req	Comp	1	Vol	Surf	Visual	<u> </u>
					S1202H006			VT-03-236 VT-04-537	RR #4
					SI202H010			VT-03-237 VT-04-538	RR #4, Snubber deleted
			_		SI202H011			VT-03-238 VT-04-539	RR #4, Snubber deleted
					SI202H015			VT-03-239 VT-04-540	RR #4
		Three	5	5	S1202H01			VT-06-164	RR # 4
		<del></del>			S1202H012	<u> </u>		VT-06-165	RR # 4
					S1202H016			VT-06-166	RR # 4
					SI202H017			VT-06-167	
					S1202H018	<del></del> -	<del></del>	VT-06-168	
	97 LPSI to Loop 1B	One	10	10	SI220H009			00-3505	<del>-</del>
	<del></del>	<del> </del>			SI220H010	<del> </del>	<del> </del>	00-3504	<del></del>
					SI220H011		<del></del>	00-3503	<del></del>
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	l <del> </del>	-			SI220H013		<del> </del>	00-3501	<del> </del>
	<del></del>	<del>-  </del>	——		SI220H014		<del> </del>	00-3500	<del></del>
	<del></del>	<del>-  </del>			SI220H015		<del></del>	00-3499	
		<del>-  </del>			SI220H019		<del> </del>	00-3498	
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		-			SI220H008		<del> </del>	01-3472	
	<del></del>	Two	7		SI220H001		<del> </del>	VT-03-193	RR #4
	<del></del>				SI220H016		<del></del>	VT-03-195	RR #4
	<del></del>	+			SI220H017		<del> </del>	VT-03-196	RR #4
<del></del> }		<del> </del>			SI220H018		<del> </del>	VT-03-197	RR #4
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	<del></del>				SI220H021		<del> </del>	VT-03-194	RR #4, Snubber deleted
	<del></del>	<del>  </del>			SI220H028		<u> </u>	VT-03-199	RR #4, Snubber deleted
	<del></del>	Three	7		S1220H003		-	VT-06-169	Removed
	<del></del>	1	<del> </del>		S1220H005		<del> </del>	VT-06-170	1101110100
		<del>   </del>			S1220H007			VT-06-171	
	<del></del>	+			S1220H023		1	VT-06-172	
	<del></del>	<del>-  </del>			S1220H024		<u> </u>	VT-06-173	
	<del></del>				S1220H027		<del></del>	VT-06-174	
	· <del></del>	1			SI220H029		<u> </u>	VT-06-175	
<del> </del> ;	98 LPSI to 2A	One	2		SI155H005		1	00-3163	<del> </del>
<del></del>		<del>   </del>			SI155H006	<del> </del>		00-3162	
		Two	4		SI155H002			VT-03-156	
	· · · · · · · · · · · · · · · · · · ·	<del>                                     </del>			SI155H003			VT-03-157	Support deleted
		<del>                                     </del>			SI155H004		1	VT-03-159	Support deleted
		<del>  -  </del>	—— <del> </del>		SI155H007		1	VT-03-166	RR #4
	99 LPSI to 2B	Two	5		SI174H007		1	VT-03-245	RR #4, Snubber deleted
		<del>                                     </del>			SI174H008		11	VT-03-246	RR #4
	-	<del>                                     </del>	-+		SI174H009		11	VT-03-248	RR #4, Snubber deleted
		+			SI174H010			VT-03-249	RR #4
	·	+			SI174H013			VT-03-250	RR #4, Snubber deleted
<del> </del>		Three	4		SI174H004		1	VT-06-176	The state of deleted
<del> </del>					SI174H005	<del></del>		VT-06-177	
		<del> </del>	-+		SI174H011		1 1	VT-06-177	<del> </del>
		<del>  </del> -			SI174H012		<i></i>	VT-06-178 VT-06-179	<del> </del>
<del> </del> 1	100 LPSI A Suct	One	2		SI241H019	·		00-3029	
<del></del>		<del>  </del>	<del>-</del> -+		SI369H001			00-3029	<del> </del>
		1 1	- 1	1,	2.200.1001		1 ''	00-0101	I

ASME	Zone Comp/Sys	Insp	Amt	Amt	Item ID	Vol	Reports Surf	Visual	Remarks
em no	404 1 001 0 0	Per	Req	Comp		l Aoi	Sun		<del></del>
	101 LPSI B Suct	Three	8	8	85-5			VT-06-180	
		_		<u> </u>	SI194H016	ļ		VT-06-181	
					SI194H018	ļ		VT-06-182	
		_			SI194H022		<u> </u>	VT-06-183	
				<u> </u>	SI194H025		<u></u>	VT-06-184	<u> </u>
		_			SI194H026			VT-06-185	<u> </u>
					SI368H001			VT-06-186	
					SI368H002			VT-06-187	
	102 SI A	One	6	6	S1008H004			01-3254	PSE
					S1009H001			01-3255	PSE
					SI307H002			01-3264	PSE
								01-3281	
					SI307H003		_	01-3282	
					SI307H004			01-3470	Support deleted
					S1307H005			01-3265 01-3283	PSE
					SI307H006			01-3266	PSE
		<del>-  </del>			SI307H007			01-3267	PSE
		+	-		SI307H008			01-3471	1 02
					SI307H015		·	01-3284	
		Two	7	7	SI008H001			VT-03-336	RR #4
	·	100	<del></del>		SI008H002			VT-03-337	RR #4, Strut deleted
		-			SI008H003			VT-03-337	RR #4
	<del></del>				SI008H004			VT-03-339	RR #4
	· · · · · · · · · · · · · · · · · · ·						. —	VT-03-339 VT-03-341	
					S1307H006			L	RR #4
					S1307H007			VT-03-343	RR #4
	400 Defect Out A				SI307H014			VT-03-340	RR #4, Snubber deleted
	103 Refuel Suct A	One	6		CH142H013			00-3519	
		-			CH142H014			00-3518	
		$\bot$			CH142H015			00-3517	
		$\perp \perp \perp \mid$		i	CH142H019			00-3516	
	· · · · · · · · · · · · · · · · · · ·				CH142H022			00-3515	
		$\bot$			CH424H001			00-3520	
				1	CH424H002			01-3269	PSE
					CH424H003			01-3270	PSE
	· · · · · · · · · · · · · · · · · · ·				SI142H003			01-3268	PSE
		Two	6	1	CH142H008			VT-03-175	
		11			CH142H020			VT-03-176	
					CH142H021			VT-03-177	
					CH424H002			VT-03-178	
					CH424H003			VT-03-179	RR #4
					CH424H006			VT-03-180	
1	104 SI Suct B	One	7	7	SI033H001			00-3512	
					S1033H002			00-3513	
					S1033H003			00-3514	
					S1308H005		-	00-3507	
					S1308H008			00-3508	
	<u> </u>			-	SI308H010			00-3509	
	<del></del>	1	$\overline{}$		SI308H011			00-3510	<u> </u>
		1 1			SI031H001			00-3127	PSE
<del> </del> -		<del>                                     </del>			S1308H002			00-3180	PSE
		1	$\rightarrow$		SI308H004	-		00-3181	PSE
	· · · · · · · · · · · · · · · · · · ·	+	<del></del>		SI308H005			00-3182	PSE
							1		
		<del>                                     </del>			SI308H009			00-3115	PSE

SME	Zone Comp/Sys	Insp	Amt	Amt	Item ID	Vol	Reports Surf	Visual	Remarks
m no	<u></u>	rer	Req	Comp		l AOI	Journ		IDD #4
	ļ	4	<b> </b>	<u> </u>	SI308H002	<del> </del>	4	VT-03-168	RR #4
	ļ		<b> </b>	ļ	SI308H003	<del> </del>	<del> </del>	VT-03-170	RR #4
		4		ļ	SI308H004	<del> </del>	<del></del>	VT-03-171	RR #4
	ļ	-		<u> </u>	S1308H006	<del> </del>	<del></del>	VT-03-172	RR #4, Snubber deleted
	ļ		ļļ	ļ	SI308H007	<del> </del>	<del> </del>	VT-03-173	RR #4, Snubber deleted
					SI308H015			VT-03-174 VT-04-731	RR #4
	105 RF Water	One	7	7	CH149H003			00-3116	PSE
					CH149H005			00-3123	PSE
					CH149H007			00-3121	PSE
					CH149H008		.1	00-3184	PSE
					CH149H012			00-3179	PSE
					CH149H014			00-3178	PSE
					CH149H021	<u> </u>	l	00-3118	PSE
					CH149H009			01-3285	
					CH149H010		1	01-3286	
					CH149H012			01-3287	
					CH149H013	L		01-3288	
		<del></del>			CH149H014		1	01-3289	
		T			CH149H021			01-3280	
					CH149H028			01-3290	
		Two	7		CH149H004			VT-03-182 VT-04-732	
		1 1			CH149H005	-		VT-03-183 VT-04-733	
					CH149H006			VT-03-184 VT-04-734	
		+			CH149H007			VT-03-185 VT-04-735	
		1			CH149H025			VT-03-186 VT-04-736	RR #4
		1			CH149H026			VT-03-391 VT-04-737	RR #4
		† †			CH149H027			VT-03-392 VT-04-738	RR #4
	106 HPSI A Dsch	One	8	8	SI099H001		<u>                                       </u>	01-3422	<del>                                     </del>
		<del>   </del>	<del>-</del> +		S1099H002			01-3423	
		<del>  -</del>	-+		SI100H001			01-3423	<del>                                     </del>
<del> </del> -		+	-+		SI100H002			01-3417	
<del></del>		<del>                                     </del>	<del></del>	, ,	SI100H003		i	01-3419	<del> </del>
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	<del></del>	+	<del>+</del>		SI100H034	<del></del>		01-3421	
		<del>  </del>	-+	1	SI106H001			01-3424	<del>                                     </del>
		Two	7		SI100H009			VT-04-557	<del> </del>
		+	<del>+</del>		SI100H009			VT-04-557 VT-04-558	<del></del>
-+		<del>                                     </del>			SI100H010			VT-04-558 VT-04-559	<del></del>
		<del>  </del> -	$\longrightarrow$		SI100H011			VT-04-559 VT-04-560	<del>                                     </del>
+		+			SI105HB SI105HC			VT-04-560 VT-04-561	<del> </del>
		+	<del></del> +		SI105HD			VT-04-561 VT-04-562	<del> </del>
		<del>  </del>			SI105HE			VT-04-562 VT-04-563	
	107 HPSI B Dsch	One	6		S1105HE S1107H003			V1-04-563 01-3352	<del> </del>
— l'	וואסט ט וט וואסט ט ווי	1 Olive	<del>-</del>		SI107H003 SI107H011			01-3352 01-3293	<del>                                       </del>
		+-+	<u></u>						<del> </del>
		+			SI107H012			01-3292	
		<del> </del>  -			SI112H00C			01-3353	
1		1		٤	SI112H00G	<b> </b>	Jt	01-3351	1

ASME	Zone Comp/Sys	Insp	Amt	Amt	Item ID		Reports_		Remarks
tem no	l	Per	Req	Comp	<u> </u>	Vol	Surf	Visual	
_					SI112H00H		I	01-3291	
		Two	6	6	SI107H005			VT-04-564	RR #4
					SI107H006			VT-04-565	RR #4
					S1107H007			VT-04-566	RR #4
					S1107H008			VT-04-567	RR #4
					SI107H009			VT-04-568	RR #4
					SI107H010			VT-04-569	RR #4
	108 HPSI Dsch	One	11	11	SI100H022			00-3468	
			_		SI100H023		i	00-3469	
					SI100H024			00-3470	
					SI100H025			00-3471	
					SI100H026			00-3472	
					S1100H027			00-3473	<del>-</del>
					SI100H028		l	00-3474	
		+			SI100H029			00-3475	
		+			SI100H031			00-3476	<del> </del>
	<u> </u>	1 1		-	SI100H032			00-3478	<del>- </del>
				-	SI100H035			00-3477	
		Two	11	11	SI100H012			VT-04-570	RR#4
			<del>-''</del> -		SI100H013			VT-04-571	1111111
		-			SI100H018			VT-04-572	RR#4
		-			SI100H019			VT-04-572	RR#4
					SI100H020			VT-04-574	RR#4
	<del></del>	+			SI100H021			VT-04-575	INT-
					SI118H00A			VT-04-576	
		-			SI118H00B			VT-04-577	
					SI118H00D			VT-04-578	
		1			SI118H00R			VT-04-579	
	400 11701	1 1			SI118H00S			VT-04-580	
	109 HPSI	One	7		SI107H013			01-3437	
					SI107H014			01-3438	
					SI107H015			01-3439	
					SI107H016			01-3440	
					SI107H021		1	01-3441	
					S1107H047			01-3442	
					SI107H050			01-3425	Support deleted
		Two	7		SI107H019			VT-04-581	RR#4
					SI107H020			VT-04-582	RR#4
					SI107H025			VT-04-583	
					S1107H026			VT-04-584	RR#4
					SI107H027			VT-04-585	
					SI107H028			VT-04-586	
					SI107H029			VT-04-587	
	110 HPSI	One	7	7	SI103H00B			01-3298	
					S1103H00D	ĺ		01-3299	
					S1103H00E			01-3300	
	· · · · · · · · · · · · · · · · · · ·				SI218H001			01-3294	
		1			SI218H002			01-3295	
	<del></del>	1 1	<del></del>		SI218H003			01-3296	1
		1 1			SI218H004			01-3297	
<del>-  </del>		Two	7		SI107H039	<del></del>		VT-04-588	RR #4
	<del></del>	+ +			SI107H041	<del></del>		VT-04-589	RR #4
		╁┈┼	-+		SI107H042			VT-04-590	RR #4
	······································	<del>                                     </del>	-+		SI107H042		1	VT-04-590 VT-04-591	RR #4
	<del></del>	<del>  </del>	-+		SI107H043			VT-04-591 VT-04-592	<u> </u>
		1 1	- 1	١,	3110111044			V 1-04-03Z	RR #4

ASME	Zone Comp/Sys	Insp	Amt	Amt	Item ID		Reports		Remarks
em no		Per	Req	Comp		Vol	Surf	Visual	
	<u> </u>				SI107H045			VT-04-593	RR #4
					SI107H049			VT-04-594	
	111 HPSI	One	3	3	SI100H037			01-3302	
					SI100H00A			01-3354	
					SI100H00B			01-3301	
		Two	4	4	SI236H001			VT-04-595	
					SI236H002			VT-04-596	
					S1236H003			VT-04-597	
					SI236H004			VT-04-598	
	112 HPSI	One	3	3	SI176H001			01-3303	
					SI176H002			01-3304	
		1	-		SI176H003			01-3305	
		Two	3	3	SI100H017			VT-04-599	···
					SI102H00A			VT-04-600	<del></del>
		-			S1102H00B			VT-04-601	
	113 HPSI	One	5	5	S1107H022			01-3309	
					SI107H024			01-3310	
					SI157H002		<del> </del>	01-3306	
		1			SI157H003		i	01-3307	<del> </del>
	<del></del>	<del></del>			SI157H004			01-3308	<del></del>
		Two	4	4	SI108H00A	<del></del>		VT-04-602	
		+			SI109H00A			VT-04-603	
					SI157H00A			VT-04-604	
	-	_			SI176H00A			VT-04-605	
	114 HPSI 1A & 1B	Three	2		S1218H005			VT-06-188	
		<del>                                     </del>			S1236H005			VT-06-189	<del></del>
<del></del>	115 HPSI	Two	3		SI157H010	<del> </del>		VT-03-229	Snubber deleted
		<del>                                     </del>			SI157H011	<del> </del>		VT-03-230	RR #4
		1			SI176H004			VT-03-231	RR #4
	116 HPSI A	One	4		116-1A			01-3234	
	<del></del>				116-1B	<del> </del>		01-3234	<del> </del>
		+ +			116-1C	<del> </del>	1	01-3234	
		+			116-1D			01-3234	
<del></del>	117 HPSI B	Two	4	,	117-1A			VT-04-606	
		<del>-  </del>	-		117-1A 117-1B		l	VT-04-607	
		1 1			117-1C			VT-04-608	
		<del>                                     </del>	-		117-1D			VT-04-609	



### REFUELING OUTAGE NUMBER TWELVE

#### **CODE LIMITATIONS**

ASME ITEM ZONE/COMPONENT ITEM ID REPORT NO.

B 8.20 5 PZR 5-1 UT-06-002 & MT-06-003

<u>Limitation</u> The weld for the Pressurizer skirt is limited due to geometrical configuration. Volumetric

examination of the weld is estimated at 75% coverage of the code required examination

volume. The surface examination is limited to the OD.

,		
	APPENDIX C FORM NIS-1	
	Page 43 of 46	

**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	
4.	OWNERS' CERTIFI	CATE OF AUTHORIZATION - NONE
5.	COMMERCIAL SEF	RVICE DATE - January 8, 1988
6.	COMPONENTS INS	PECTED:
	<del></del>	<del>,</del>

This report is a summary of the second interval examinations performed to date for Unit 3. 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 12-8-2004 TO 5-12-2006
- 8. INSPECTION INTERVAL FROM 1-11-1998 TO 1-10-2008
- 9. 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 Item Number with the corresponding examination report numbers.

10. ABSTRACT OF CONDITIONS NOTED

The evaluation of the results from the ISI examinations indicated the integrity of the systems have been maintained. There were no rejectable indications found during this ISI inspection activity.

11. ABSTRACT OF CORRECTIVE MEASURES RECOMMENDED AND TAKEN

There were no rejectable indications found during this ISI inspection activity.

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.

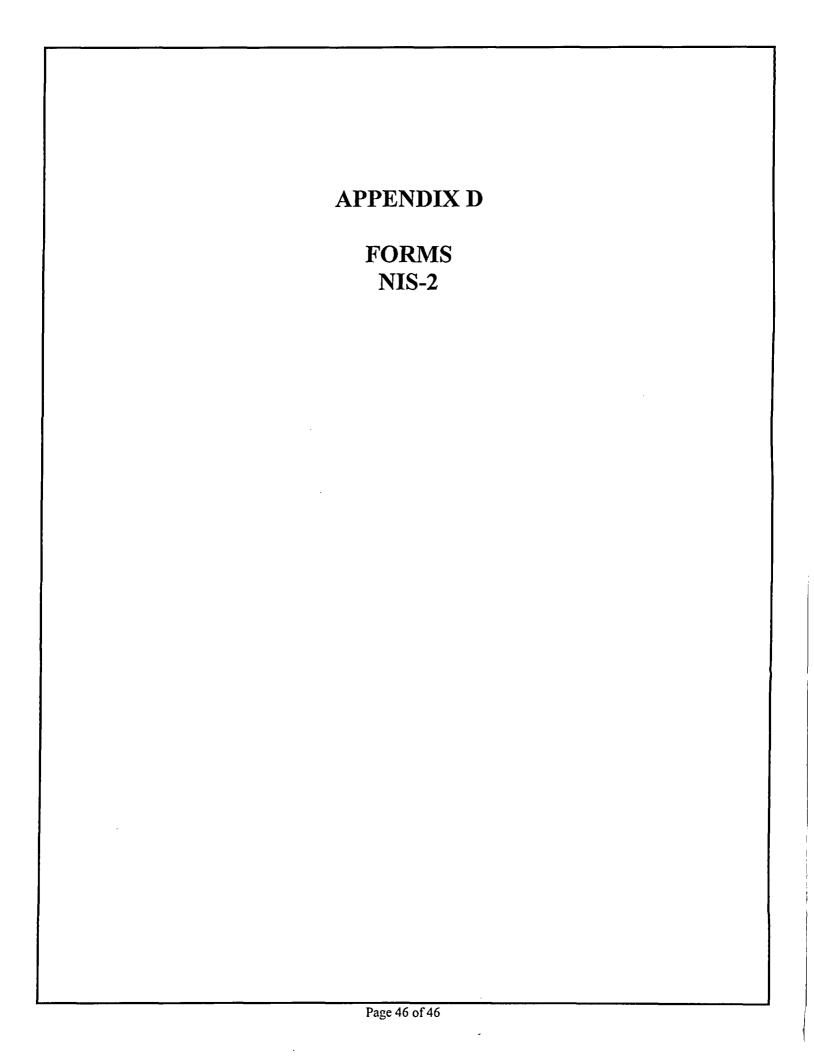
WE CERTIFY THAT THE STATEMENTS MADE IN THIS REPORT ARE CORRECT AND THE EXAMINATIONS AND CORRECTIVE MEASURES TAKEN CONFORM TO THE RULES OF THE ASME CODE, SECTION XI.

DATE \$\frac{\sqrt{3}/06}{\sqrt{06}}\$ SIGNED: ARIZONA PUBLIC SERVICE COMPANY BY Mulas Mach

#### 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 2-8-04 TO 5-12-06, 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 25 fate	COMMISSIONS NB 9685 "2, N, 1, C" Az 264
	NAT'L BOARD, STATE, PROVINCE
DATE 8-3-06	



#### ASME SECTION XI – REPAIR / REPLACEMENT Page of 1. Component ID 3PRCEL018 2.. Item Description: 4" Pressurizer Spray Line 3. N-5 Data Package Number: 3RC03-2 4. W.O. Number: 219337 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 4" Pressurizer Spray line adjacent to the Pressurizer per Eng-DM 219184 NDE Method of Flaw Detection: 8. ISI Flaw Report Number: 9. Evaluation of the suitability of this work as per the requirements of IWA - 4150: The Pressurizer Spray Line and Aux. Spray Line are subjected to the highest Thermal Stress Loading in the Reactor Coolant System, the piping is being replaced to ensure continued safe operation of the Pressurizer, Reference Eng-DM 219184 Evaluation. 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 **⊠** YES П ио 14. Preservice Inspection Required: WS Date 10/20/2005 If required, include a step in the W.O. to perform Preservice Inspection X YES 15. ASME Section XI Pressure Test Required: П № If required, include a step in the W.O. for ISI & ANII Inspection. Date 10/26/2005 Initial 16. Include a step in the W.O. to complete NIS-2 Form prior to releasing the Initial Kos Date 10/26/2005 component. 17. Include a step in the W.O. to record below all applicable numbers for repaired or Date 10/26/2005 replacement items. Serial No. Heat No. Item ID Part No. MR/PO/WO No. # 408810 4" Pipe APN 00053306 MR 1006793 MR 1006793 4" Elbow APN 00054113 MR 1006793 4" Reducing Tee APN 00054469 MR 1006793 2" Pipe APN 43510642 APN 43541147 1" Weldolet MR 1006793 Printed Name: Karl V. Savage

18. Planner Kal January Lohler Signature Printed Name: Karl V. Savage

19. ISI Phologo Is/26/2005 Printed Name: P. INDAP Log Entry Phologometer Date

20. ANII Log Log Log Printed Name: R. G. Hogstron

Signature Date

10-24-05 Printed Name: R. G. Hogstron

7107-34217 Rev.

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

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1. Owner: Arizo	ona Public Service	Company, et. al.		Date: 10	0/26/2005		14.5
<u>P. O.</u> ]	Box 53999, Phoen	nix Arizona 85072-2	.034	Sheet:	1 of .2	• •	
2. Plant: Palo V	Verde Nuclear Gen	nerating Station		Unit: 3	14	•	
<u>5801 S</u>	South Wintersburg	g Road., Tonopah, A	urizona 853	54-7529 Work Ore	der Numbe	er <u>219337</u>	
3. Work Performe	ed by: <u>Arizona Publi</u>	ic Service		Type of C	Code Stam	p <u>None</u>	•
			*	Authoriza	ation No.	<u>N/A</u>	
4 Identification o	- Cuotam RC Res	actor Coolant) ASME	Section III (	· · · · · · · · · · · · · · · · · · ·	n Date <u>N</u>	<u>//A</u>	
•	•			1974 Edition, Summer	- 1075 Ad	danda " Co	da Case
•	•			•			QE Case
7			-	ements: <u>1992 Edition.</u>	, 1774 ru	1denda	
6. Identification of	f Components Kepai	ired or Replaced and I	Replacement	Components	· 	<del>~~~~~</del>	<del></del>
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or
`%j.		ļ	<b> </b> '	<b></b>	<del> </del>		No)
4" Pipe	N/A	N/A	N/A	3PRCEL018	2005	Replacement	NO
4" Elbow	N/A	N/A	N/A	3PRCEL018	2005	Replacement	NO
4" Reducing Tee	N/A	N/A	N/A	3PRCEL018	2005	Replacement	NO
2" Pipe	N/A	N/A	N/A	3PRCEL018	2005	Replacement	NO
, ye.						3-2-0 2-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1-0 1	
·		·					
						·	
7. Description of V	Work: Replacemen	nt of the Pressurizer	Spray and	Aux Spray lines adja	acent to t	he Pressurizer	
8. Test Conducted:	: Hydrostatic	Pneumatic	] Nomi	inal Operating Pressure	c 🖾	Exempt	•
N-4	116-2  Other	Pressure >2130 psi		Test Tem	nperature	<u>~~~</u> °F	
		1				٠,	•
				ngs may be used proved on each sheet, and			

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

## FORM NIS-2 (Back)

Reference Eng-DM 219184.			ent valve assembly.
NOT ESCS.F			
re-Pressured Test WO Review – ISI	RLB	1/29/06	
ANII	र्म्य भग्नन्थ		
	Certificate of Co		
We certify that the statements made in ASME Code, Section XI.	the report are correct	and this replacement cor	nforms to the rules of the
Type Code Symbol Stamp	N/A	· · · · · · · · · · · · · · · · · · ·	<del></del>
Certificate of Authorization No.	N/A	Expiration Date:	N/A
Signed: W		Date:	5/10/06
Owner or Owner's	s Designee, Title		
	<u>-</u>		
<u>.</u>			
CERTIFICA	TE OF INSERV	TCE INSPECTIO	N
			(
I, the undersigned, holding a valid cor			
Inspectors and the State or Province of	Arizona and employe		
		luring the period of	10-26-05
inspected the components described in to, and state	this Owner's report of that to the best of my	knowledge and belief, the	ne Owner has performed
inspected the components described in to, and state examinations and taken corrective m	this Owner's report of that to the best of my easures described in	knowledge and belief, the	ne Owner has performed
inspected the components described in to, and state examinations and taken corrective m	this Owner's report of that to the best of my easures described in	knowledge and belief, the	ne Owner has performed
inspected the components described in to, and state examinations and taken corrective m	this Owner's report of that to the best of my easures described in	knowledge and belief, the	ne Owner has performed
inspected the components described in to, and state examinations and taken corrective m requirements of the ASME Code, Section By signing this certificate, neither the I concerning the examinations and corrections.	this Owner's report of that to the best of my leasures described in on XI.  Inspector nor his empletive measures described in the control of	knowledge and belief, this Owner's Report oyer makes any warrant and in this Owner's repo	ne Owner has performed in accordance with the y, expressed or implied, rt. Furthermore, neither
inspected the components described in to, and state	this Owner's report of that to the best of my leasures described in on XI.  Inspector nor his emplotive measures described in any manner	knowledge and belief, this Owner's Report over makes any warrant ed in this Owner's repo for any personal injury	ne Owner has performed in accordance with the y, expressed or implied, rt. Furthermore, neither
inspected the components described in to, and state examinations and taken corrective m requirements of the ASME Code, Section By signing this certificate, neither the I concerning the examinations and correct the Inspector nor his employer shall be	this Owner's report of that to the best of my leasures described in on XI.  Inspector nor his emplotive measures described liable in any manner ted with this inspection	knowledge and belief, the this Owner's Report over makes any warrant sed in this Owner's report for any personal injury on.  missions: NB 9685 "N"	ne Owner has performed in accordance with the y, expressed or implied, rt. Furthermore, neither or property damage or a
inspected the components described in to, and state examinations and taken corrective m requirements of the ASME Code, Section By signing this certificate, neither the I concerning the examinations and correct the Inspector nor his employer shall be loss of any kind arising from or connect	this Owner's report of that to the best of my leasures described in on XI.  Inspector nor his emplotive measures described liable in any manner ted with this inspection	knowledge and belief, the this Owner's Report over makes any warrant sed in this Owner's report for any personal injury on.  missions: NB 9685 "N"	ne Owner has performed in accordance with the y, expressed or implied, rt. Furthermore, neither or property damage or a

PV216-08NI (8-88)

73DP-9ZZ17 Rev 9

		Page	1 of 1		
1. Component	ID 3JSIBFE	0348			
* 1		nment Spray Pump "B" I			
3. N-5 Data Pad	. •		4. W.O. Number	: <u>2591421</u>	:
		de Edition: 1974 Editio			
		Edition: 1974 Edition,			
7. Work Descri		/ DMWO 2316467.	proximately 2 foot of upstro	am piping, install new i	liange, spool and annubar
8. 🔲 ISI Flaw			NDE Method of Flaw	Detection:	
Constitution institutions for	=		Report Number:		
9. Evaluation o	f the suitabili	ty of this work as per the	requirements of IWA - 415	0:	
<u>Replacement</u>	nt is IAW DM	<u>fWO 2316467</u>	,		
<b>i</b>					
					.S-=
• 4				•	
		k Organization: <u>Arizon</u>	· •	•	
			de/Edition: Sec. III Cl 2,		
		•	Edition: Sec. III Cl 2, 1974	4 Edition 1975 Winter A	Addenda
	•	Edition: 1992 Edition		Per telecon W	iley Ahlstier.
14. Preservice In	nspection Red	quired:	<del>-⊠ yes</del> ⊠ no	Per telecon W MT7Benym	4/16/06
Initial 12	Date 11/0	05/2005 If require	ed, include a step in the W.0	O. to perform Preservice	Inspection
15. ASME Secti	ion XI Pressu	re Test Required:	⊠ YES □ N	o ·	
/ K ( )	) [			<del>-</del> ,	
	Doto 11/	If require	ed, include a step in the W.C		ction.
nitial 18	Date 11/0	03/2003	•	O. for ISI & ANII Inspec	
Initial E	Date 11/0  Date 11/0	75/2005 16. Inclu	ide a step in the W.O. to co	O. for ISI & ANII Inspec	
` <b>i</b> , (`.`,	) ·	05/2005 05/2005 compone	ude a step in the W.O. to connt.	O. for ISI & ANII Inspec	r to releasing the
` <b>i</b> , ( · )	) ·	05/2005 16. Included in the component of	ude a step in the W.O. to connt.  ude a step in the W.O. to rec	O. for ISI & ANII Inspec	r to releasing the
Initial E	) Date 11/0  Date 11/0	05/2005 16. Included 16. Included 17. Included 17. Included 18.	ude a step in the W.O. to connt.  ude a step in the W.O. to rec	O. for ISI & ANII Inspec	or to releasing the enumbers for repaired or MR/PO/WO No.
Initial 12	) Date 11/0  Date 11/0	05/2005 16. Inclusion 17. Inclusion 15/2005 17. Inclusion 18. Inclusion	ude a step in the W.O. to cont.  ude a step in the W.O. to recent items.	O. for ISI & ANII Inspecting prior of the pr	mr. MR/PO/WO No.
Initial LEW Item I	Date 11/0  Date 11/0  Date 11/0	16. Included in the compone of the c	ade a step in the W.O. to contact.  Ide a step in the W.O. to recent items.  Serial No.	D. for ISI & ANII Inspecting prior of the control o	MR/PO/WO No.
Initial LEW  Initial LEW  Item I  Flanged Pipe Sec	Date 11/0  Date 11/0  Date 11/0	16. Include 17. Include 18. Include 19.5/2005 17. Include 19.5/2005 18. Include 19.5/2005 19.5/2005 19.5/2005 19.5/2005 19.5/2005 19.5/2005 19.5/2005 19.5/2005 19.5/2005 19.5/2005 19.5/2005 19.5/2005	ade a step in the W.O. to content.  Ide a step in the W.O. to recent items.  Serial No.  13715.2.2	o. for ISI & ANII Inspection prior in the Inspection of the Island applicable in the Island in the I	MR/PO/WO No.
Initial E  Initial Item I  Flanged Pipe Sec  Annubar Flow El	Date 11/0  Date 11/0  Date 11/0  Etion  Lement	16. Included in the compone of the c	ade a step in the W.O. to contint.  Ide a step in the W.O. to recent items.  Serial No.  137/5.2.2	D. for ISI & ANII Inspection prior to the cord below all applicable Heat No.	MR/PO/WO No.  MR/PO/WO NO.  MR
Initial E  Initial Item I  Flanged Pipe Sec  Annubar Flow El  10" RF Flange	Date 11/0  Date 11/0  Date 11/0  Letion  Lement  (1.(2)*	16. Include 17. Include 18. Include 19.5/2005  17. Include 19.5/2005  Part No.  00065/37  00065/37	ide a step in the W.O. to contint.  Ide a step in the W.O. to recent items.  Serial No.  137/5.2.2  137/5.1.2	o. for ISI & ANII Inspection prior in the Inspection of the IS-2 Form prior in the Island in the Isl	MR/PO/WO No.  MR/PO/WO No.  MR/PO/WO No.  MR/PO/WO No.  MR/PO/WO No.  MR/PO/WO No.  MR/PO/WO No.  MR/PO/WO No.  MR/PO/WO No.  MR/PO/WO No.  MR/PO/WO No.  MR/PO/WO No.  MR/PO/WO No.  MR/PO/WO No.  MR/PO/WO No.  MR/PO/WO No.
Initial E  Initial Item I  Flanged Pipe Sec  Annubar Flow El  10" RF Flange	Date 11/0  Date 11/0  Date 11/0  Detion  lement	16. Inclusions 17. Inclusions 18. Inclusions 17. Inclusions 18. In	ide a step in the W.O. to contint.  Ide a step in the W.O. to recent items.  Serial No.  13715.2.2  13715.1.2	D. for ISI & ANII Inspection prior in the Inspection of the IS-2 Form prior in the Island in the Isl	MR/PO/WO No.  MR
Initial E  Initial Item I  Flanged Pipe Sec  Annubar Flow El  10" RF Flange	Date 11/0  Date 11/0  Date 11/0  Detion  lement	16. Inclusions 17. Inclusions 18. Inclusions 17. Inclusions 18. In	ide a step in the W.O. to contint.  Ide a step in the W.O. to recent items.  Serial No.  13715.2.2  13715.1.2	D. for ISI & ANII Inspection prior in the Inspection of the IS-2 Form prior in the Island in the Isl	MR/PO/WO No.  MR
Initial E  Initial Item I  Flanged Pipe Sec  Annubar Flow El  10" RF Flange	Date 11/0  Date 11/0  Date 11/0  Detion  lement	16. Included in the compone of the c	ide a step in the W.O. to contint.  Ide a step in the W.O. to recent items.  Serial No.  137/5.2.2  137/5.1.2	o. for ISI & ANII Inspection prior in the Inspection of the Inspec	MR/PO/WO No.  MR
Initial Item I  Item I  Flanged Pipe Sec  Annubar Flow El  10" RF Flange  Red CockC  HEN I HER NO	Date 11/6  Date 11/6  Date 11/6  (D  ction  lement  1.125"	16. Included in the component of the com	side a step in the W.O. to continue.  Inde a step in the W.O. to recent items.  Serial No.  13715.1.2  13715.1.2  13705  Printed Name:	D. for ISI & ANII Inspection prior in the Inspection of the IS-2 Form prior in the Island in the Isl	MR/PO/WO No.  MR
Initial Item I  Item I  Flanged Pipe Sec  Annubar Flow El  10" RF Flange  Red CockC  HEN I HER NO	Date 11/0  Date 11/0  Date 11/0  Detion  lement	16. Included in the component of the com	ide a step in the W.O. to contint.  Ide a step in the W.O. to recent items.  Serial No.  137/5.2.2  137/5.1.2	o. for ISI & ANII Inspection prior in the Inspection of the Inspec	MR/PO/WO No.  MR
Initial Item I  Item I  Flanged Pipe Sec  Annubar Flow El  10" RF Flange  Red Cocke  Hell I Her was	Date 11/0  Date 11/0  Date 11/0  ID  ction  lement  i.(25"  Signature	16. Included in the compone of the c	side a step in the W.O. to continue.  Ide a step in the W.O. to recent items.  Serial No.  13715.2.2  13715.1.2  144  146  150  Printed Name:  1605  Printed Name:	o. for ISI & ANII Inspection prior in the Inspection of the Inspec	MR/PO/WO No.  MR
Initial Item I  Item I  Flanged Pipe Sec  Annubar Flow El  10" RF Flange  Red Trock Co  He Will He F	Date 11/6  Date 11/6  Date 11/6  (D  ction  lement  1.125"	16. Included in the compone of the c	side a step in the W.O. to continue.  Inde a step in the W.O. to recent items.  Serial No.  13715.2.2  13715.1.2  144  146  146  Printed Name:  Date	The state of the s	MR/PO/WO No.  MR
Initial Item I  Item I  Flanged Pipe Sec  Annubar Flow El  10" RF Flange  Red Trock Co  He W 1 HE F 100	Date 11/0  Date 11/0  Date 11/0  ID  ction  lement  i.(25"  Signature	16. Included the component of the compon	side a step in the W.O. to continue.  Inde a step in the W.O. to recent items.  Serial No.  137/5.1.2  137/5.1.2  137/5.1.2  Printed Name:  Date  6/05  Printed Name:	The state of the s	MR/PO/WO No.  MR

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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

Owner: Arizona Public Service Company, et. al.	Date:	12/06/05
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P. O. Box 53999, Phoenix Arizona 85072-2034 Sheet: 1 of 2

2. Plant: Palo Verde Nuclear Generating Station Unit: 3

5801 South Wintersburg Road., Tonopah, Arizona 85354-7529 Work Order Number 2591421

3. Work Performed by: Arizona Public Service Co.

Type of Code Stamp None

5801 S. Wintersburg Rd., Tonopah, Arizona, 85354-7529 Authorization No. N/A

Expiration Date N/A

4. Identification of System: Safety Injection System (SI) ASME Sect. III Class 2

5. (a) Applicable Construction Code ASME Section III NC, Class 2 1974 Edition, Winter 1975 Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1992 Edition, 1992 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

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)
Flanged Pipe Section	Dietrich Standard	13715.2.2	N/A	3JSIBFE0348	2006	Replacement	Yes
Annubar Flow Element	Dietrich Standard	13715.1.2	N/A	3JSIBFE0348	2006	Replacement	Yes
10" RF Pipe Flange	N/A	Ht. # CQX	N/A	3JSIBFE0348	2006	Replacement	No
Threaded Rod 1.125"	N/A	Ht. # MYM	N/A	3JSIBFE0348	2006	Replacement	No
Heavy Hex Nut	§ N∕A .	Ht. # TCK280	N/A	3JSIBFE0348	2006	Replacement	No
				· ·			

7. D	escription of Work:	Remove flow element and section of pipe and install new spool and annubar element.

8.	Test Conducted: Hydrostatic	Pneumatic	Nominal Operating Pressure	Exempt [	N-416-2 🛛
	Other	Pressure 40 psi	Test Temp	perature 72 °F	

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)

	0348to be removed along with ange and spool assembly conta		
<u>W.O. 2591421.</u>			
e-Pressured Test WO Review – IS	1 992 4/2	4/06	
NII ala	$J^{k'}$		
			<u>"</u>
· · · · · · · · · · · · · · · · · · ·	Certificate of Cor	npliance	
We certify that the statements mathe ASME Code, Section XI.	ade in the report are correct	and this replacement con	forms to the rules of
Type Code Symbol Stamp	N/A		
Certificate of Authorization No-	N/A	Expiration Date:	N/A
Signed:	Owner's Designee, Title	OC Date:	4-25-06
/ / Owner or	Owner's Designee, Title	•	
			· :
CEPTIE	ICATE OF INSERV	TCF INSPECTION	N
CERTIF	ICATE OF INSERV	TCE INSPECTION	<b>N</b>
I, the undersigned, holding a valid Inspectors and the State or Proving inspected the components describe to 4-25-06, and	d commission issued by the ce of Arizona and employed in this Owner's report destate that to the best of my	e National Board of boil d by <u>HSB CT</u> of <u>Hartfo</u> uring the period of knowledge and belief, the	er and Pressure Vessel  rd, Connecticut, have  12-7-05  Owner has performed
I, the undersigned, holding a vali Inspectors and the State or Provin inspected the components describ	d commission issued by the ce of Arizona and employed in this Owner's report distate that to the best of my we measures described in	e National Board of boil d by <u>HSB CT</u> of <u>Hartfo</u> uring the period of knowledge and belief, the	er and Pressure Vessel  rd, Connecticut, have  12-7-05  Owner has performed
I, the undersigned, holding a valid Inspectors and the State or Proving inspected the components describe to 4-25-06, and examinations and taken corrections.	d commission issued by the ce of Arizona and employed in this Owner's report distate that to the best of my we measures described in	e National Board of boil d by <u>HSB CT</u> of <u>Hartfo</u> uring the period of knowledge and belief, the	er and Pressure Vessel  rd, Connecticut, have  12-7-05  Owner has performed
I, the undersigned, holding a valid Inspectors and the State or Proving inspected the components describe to, and examinations and taken correction requirements of the ASME Code,  By signing this certificate, neither concerning the examinations and the Inspector nor his employer shall be a supplementation of the concerning the examinations and the Inspector nor his employer shall be a supplementation of the supplementation.	d commission issued by the ce of Arizona and employed in this Owner's report destate that to the best of my we measures described in Section XI.  The Inspector nor his employer the Inspector nor his employer the corrective measures described in label in any manner	e National Board of boild by HSB CT of Hartform uring the period of knowledge and belief, the this Owner's Report in over makes any warranty ed in this Owner's report for any personal injury of	er and Pressure Vessel rd, Connecticut, have 12-7-05 Owner has performed accordance with the expressed or implied, Furthermore, neither
I, the undersigned, holding a valid Inspectors and the State or Proving inspected the components describe to 4-25-06, and examinations and taken corrections.	d commission issued by the ce of Arizona and employed in this Owner's report of state that to the best of my we measures described in Section XI.  The Inspector nor his employer corrective measures described in the liable in any manner nunected with this inspection.	e National Board of boild by HSB CT of Hartform uring the period of knowledge and belief, the this Owner's Report in over makes any warranty ed in this Owner's report for any personal injury of	er and Pressure Vessel rd, Connecticut, have 12-7-05 Owner has performed accordance with the expressed or implied, Furthermore, neither property damage or a

## FORM NPP-1 CERTIFICATE HOLDERS= DATA REPORT FOR FABRICATED NUCLEAR PIPING SUBASSEMBLIES\*

As Required by the Provisions of the ASME Code, Section III, Division 1>

1.	Fabricated and certified by Dieterich Standard Inc., Box 9000, 5601 North 71st Street, Boulder, CO 803
2.	Fabricated for Pinnacle West Capital Corp. PO Box 53940 Phoenix Az. 85072-3940
3.	Location of Installation: APS- Palo Verde 5801 South Wintersburg Rd. Tonopah Az 85354
·4:-	- Identification 13715.1.2 CRN-n/a SU-10348 AB Nat'l Bd. #- n/a 2006
·5.	ASME Code, Section III, 1974 Edition, Winter 1975 Addenda. Class 2 Code Case- N/A
6.	Shop hydrostatic test _1512_psi at Ambient room temperature degrees F. (if performed)
7.	Description of piping- Annubar flow sensor model NFF+26S
8.	Certificate Holders= Data Report properly identified and signed by Commissioned Inspectors have been
	furnished for the following items of this Report:N/A
9.	Remarks:
	CERTIFICATE OF SHOP COMPLIANCE
W	e certify that the statements made in this Report are correct and that the fabrication of the described
	ping conforms to the rules for construction of the ASME Code, Section III.
NF	PT Certificate of Authorization No. N-1728 Expires: April 29, 2007
11/2	$Q_{-} = 0$ .
υa	ate: 2/28/2006 Dieterich Standard Corp. Signed: Dieterich Standard Corp.
	CERTIFICATE OF SHOP INSPECTION
Ins Bos bes	he undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel spectors and the State of Colorado, and employed by One Beacon America Insurance Company of ston have inspected the component described in this Data Report on 2/28/2006 and state that, to the st of my knowledge and belief, the Certificate Holder has constructed this component in accordance with ASME Code, Section III.
con	signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, accrning the component described in this Data Report. Furthermore, neither the Inspector nor his ployer shall be liable in any manner for any personal injury or property damage or a loss of any kind sing from or connected with this inspection.
Date	e: 2/28/2006 SignedCommissions: NB 9625, ANB Colo. 326
٠.	

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

- 1. Dieterich Standard Inc., iBox 9000, 5601 North 71st Street, Boulder CO 80301
- 2. Pinnacle West Capital Corp. PO Box 53940 Phonex AZ. 85072-3940
- 3. APS-Palo Verde 5801 South Wintersburgh Rd. Tonopah AZ 85354
- 4. N13715.1.2 CRN-n/a SU-10348 BA Nat'l Bd. #- n/a Code Case- n/a 2006
- 5. Annubar flow sensor model NFF+26s 316/316Lss

Head	SA-479
Transition	SA-312
Support disc & Sensor Flange	SA-182
Velocity probe (sensor) & tip	SA-240
Sensor tubes	SA-213
Weld filler, Tag ring	SFA 5.9

4 P. C. C. C. C. C. C. C. C. C. C. C. C. C.			•		
Certificate holder	Vice	Kunga		date	2/28/06
Cermicate norder			·		_2/20/00

Authorized inspector date 2/28/06

### FORM NPP-1 CERTIFICATE HOLDERS= DATA REPORT FOR FABRICATED NUCLEAR PIPING SUBASSEMBLIES\*

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

1. Fabricated and certified by Dieterich Standard Inc., Box 9000, 5601 North 71st Street, Boulder, CO 8030
2. Fabricated for Pinnacle West Capital Corp. PO Box 53940 Phoenix Az. 85072-3940
3. Location of Installation: APS- Palo Verde 5801 South Wintersburg Rd. Tonopah Az 85354
74. Identification 13715.2.2 CRN-n/a SU-10348 AB Nat'l Bd. #- n/a 2006
5. ASME Code, Section III, 1974 Edition, Winter 1975 Addenda. Class 2 Code Case- N/A
6. Shop hydrostatic test _1512_psi atAmbient room temperaturedegrees F. (if performed)
7. Description of piping- Model MCJSFN01 Flanged pipe section
8. Certificate Holders= Data Report properly identified and signed by Commissioned Inspectors have been
furnished for the following items of this Report:N/A
9. Remarks:
CERTIFICATE OF SHOP COMPLIANCE
We certify that the statements made in this Report are correct and that the fabrication of the described piping conforms to the rules for construction of the ASME Code, Section III.
pipility conforms to the rules for construction of the ASME Code, Section III.
NPT Certificate of Authorization No. N-1728 Expires: April 29, 2007
Date: 2/28/2006 Dieterich Standard Corp. Signed:
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 of Colorado, and employed by One Beacon America Insurance Company of Boston have inspected the component described in this Data Report on 2/28/2006 and state that, to the best of my knowledge and belief, the Certificate Holder has constructed this component in accordance with the ASME Code, Section III.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the component described in this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Date: 2/28/2006 SignedCommissions: NB 9625, ANB Colo. 326

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

- 1. Dieterich Standard Inc.; Box 9000, 5601 North 71st Street, Boulder CO 80301
- 2. Pinnacle West Capital Corp. PO Box 53940 Phoenix AZ. 85072-3940
- 3. APS-Palo Verde 5801 South Winersburg Rd. Tonopah AZ. 85384
- 4. 13715.2.2 CRN- n/a SU- 10348 AB Nat'l Bd. #- n/a Code Case- n/a 2006
- 5. Flanged pipe section MCJSFN01

Pipe section 10" sch 40		SA-312	
Flanges 10" 400#, Fla Opposite side support	inged pipet, Socket weld fitting, plug	SA-182	
Studs		SA-564	
Nuts		SA-194	
Weld filler, Tag ring.		SFA 5.9	

Certificate Holder Sie date 2/28/06

Authorized inspector

date 2/28/06

	ASME SECTION	XI - REPAIR / REP	LACEMENT	
			Pa	ige of
1. Component ID 3MCHE	<u>K07</u>		· · · · · · · · · · · · · · · · · · ·	
2 Item Description: Charg		•		
3. N-5 Data Package Number		4. W.O. Number:	<u>2607584</u>	
5. Original Construction Code	·.f'		•	
<ul><li>6. Original Installation Code</li><li>7. Work Description: <u>5 ye</u></li></ul>			•	, in the second second
8. ☐ ISI Flaw	at 1 M for replacement of o	NDE Method of Flaw De	etection:	
_		Report Number:	•	
9. Evaluation of the suitabili	ty of this work as per the re	quirements of IWA - 4150		
Not a failure of the ASM	E pressure boundary. The	ASME retaining ring is beir	ng replaced because it	is part of an assembly
with the rubber anti-extra	usion ring	•		· ·
				19 \$ ca. 19 \$47 .
10. Repair/Replacement Wor	rk Organization: Arizona	Public Service	.•	
11. Replacement Items Cons	truction or reconciled Code	Edition: Sec. III Cl 2, 19	777 Edition 1977 Wint	er Addenda
12. Repair/Replacement Acti	ivity Construction Code/Ed	ition: Sec. III Cl 2, 1974	Edition 1975 Winter A	kddenda
13. ASME Section XI Code/	Edition: 1992 Edition ar	nd 1992 Addenda		
14. Preservice Inspection Re	quired:	☐ YES ⊠ NO	٠.	•
Initial Dung Date 1-	6-05 " If required	, include a step in the W.O.	. to perform Preservice	Inspection
15. ASME Section XI Pressu		☐ YES ☒ NO		•
Initial Day Date 1-	-6-05 If required	, include a step in the W.O.	for ISI & ANII Inspec	ction.
Initial Desig Date 1-	-6-05 16. Includ componen	le a step in the W.O. to com	plete NIS-2 Form pric	or to releasing the
Initial Dung Date 1	-6-65 17. Includ	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.
Retaining Ring	APN 45150602	n/a	865884	MR 249657
*				
				\$
	1 M4	<u> </u>	<u> </u>	
18. Planner Dankel	fordley 1-6.	D5 Printed Name:	David Goodlet	
Signature	4	Pate*		
19. ISI OF TO	1-6-2	Printed Name:	K.L.IND	4 Log Entry RPZ
Signature				
		Pate		
20 ANTT 21 L=			RG HOUSTR	<b>2</b> 7
20. ANII Zo A	. 1-6		RG HOLLSTR	on

#### 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: 1-6-2005 Sheet: $\underline{1}$ of $\underline{2}$ P. O. Box 53999, Phoenix Arizona 85072-2034 2. Plant: Palo Verde Nuclear Generating Station Unit: 3 5801 South Wintersburg Road., Tonopah, Arizona 85354-7529 Work Order Number 2607584 3. Work Performed by: Arizona Public Service Type of Code Stamp None Authorization No. N/A Expiration Date N/A 4. Identification of System: CH: Chemical and Volumn Control system 5. (a) Applicable Construction Code ASME Section III NC, Class 2 1977 Edition, Winter 1977 Addenda, \_\_\_\_\_ Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1992 Edition, 1992 Addenda 6. Identification of Components Repaired or Replaced and Replacement Components -Name of Name of Manufacturer National Other Repaired or Year **ASME** Board No. Identification Item Manufacture Serial No. Built Replacement Code Stamped (Yes or NO) 3MCHEX07 2005 Retaining Ring ABB- Greer hyd n/a NO Replacement 7. Description of Work: 8. Test Conducted: Hydrostatic [ Nominal Operating Pressure Pneumatic Other Pressure \_\_\_\_ psi N-416-2 $\square$ Test Temperature

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: The retaining ring for 3MCHEX07 was replaced as	part of the 5 year PM under wo# 2607584.
3F	
Pre-Pressured Test WO Review – ISI N/A	
anii N/A	
(Autor from f ==	
Certificate of	Compliance
We certify that the statements made in the report are correct ASME Code, Section XI.	et and this replacement conforms to the rules of the
Type Code Symbol StampN/A	<del></del>
Certificate of Authorization No N/A '	Expiration Date: N/A
Signed: Thodap Consulting Metallung Owner or Owner's Designee, Title	i'd Enginer Date: 1-6-2005
<u> </u>	
CERTIFICATE OF INSER	RVICE INSPECTION
I, the undersigned, holding a valid commission issued by Inspectors and the State or Province of Arizona and emploinspected the components described in this Owner's report to, and state that to the best of nexaminations and taken corrective measures described requirements of the ASME Code, Section XI.	byed by HSB CT of Hartford, Connecticut, have t during the period of
By signing this certificate, neither the Inspector nor his enconcerning the examinations and corrective measures describe Inspector nor his employer shall be liable in any mann loss of any kind arising from or connected with this inspect	ribed in this Owner's report. Furthermore, neither er for any personal injury or property damage or a
74 /-	ommissions: ND 0695 (AD) (41) A 7264
Inspectors Signature	ommissions: NB 9685 "N" "I" AZ264 National Board, State, Province, and Endorsements
Date: 1-6-05	

•	ASME SECTION	N XI – REPAIR / REP	LACEMENT	
			Pa	igelofl
1. Component ID 3JCHNPS	SV0115			
2 Item Description: CROS	BY RELIEF VALVE		•	•
3. N-5 Data Package Number		4. W.O. Number:	2636962	•
5. Original Construction Coo			· ,	• •
6. Original Installation Code		Winter 1975 Addenda	•	*
7. Work Description: VAI	VE REPLACEMENT		<i>"</i>	•
8. 🔲 ISI Flaw	•	NDE Method of Flaw D	etection: N/A	
		Report Number: N/A		
9. Evaluation of the suitabili	ty of this work as per the i	requirements of IWA - 4150	);	
Not a failure of the ASM	E presure boudary. Spare	valve is being installed to	expedite work.	
•	•			
		•		
			•	
10. Repair/Replacement Wor	rk Organization: Arizon	a Public Service		
11. Replacement Items Cons	truction or reconciled Cod	le/Edition: Sec. III Cl 2, 1	974 Edition 1976 Sumr	ner Addénda
12. Repair/Replacement Acti	<del>-</del>		Edition 1975 Winter A	ddenda
13. ASME Section XI Code/	Edition: 1992 Edition	and 1992 Addenda		
14. Preservice Inspection Rec	quired:	☐ YES ☒ NO		
Initial Pry 5 Date 5-	18-65 TF=000ise	ed, include a step in the W.C	) to perform Preservice	Inchestion
	•			Inspection .
15. ASME Section XI Pressu	- ·	⊠ YES □ NO	·	
Initial My Date 5	If require	ed, include a step in the W.C	). for ISI & ANII Inspec	tion.
Initial <u>May</u> Date 5	-18-05 16. Inclu	ide a step in the W.O. to cor	nplete NIS-2 Form prio	r to releasing the
Initial 1977 Date 2	compone	nt.		
Initial 044 Date 5	-105c 17. Inclu	ide a step in the W.O. to rec	ord below all applicable	numbers for repaired or
Initial Date	replacem	ent items.		
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
3JCHNPSV0115	APN 45000473	N61177-00-0003	n/a	WO 1146362
				j. i
				•
				*
			· · · · · · · · · · · · · · · · · · ·	<del> </del>
	0.004		<u> </u>	
18. Planner Signature		18-DS Printed Name:	DAVID GOOLI	<u>DET</u>
- Januaro		•		
19. ISI alan ?			Alan Morron	U Log Entry am
Signature		Date	•	
20. ANII 25 forta	<b>6</b>	-23 -05 Printed Name:	R.G. Houstron	(
Signature		Date	· <del></del>	

# 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	e: <u>05/18/20</u>	05	
<u>P. O. I</u>	Box 53999, Phoeni	x Arizona 85072	<u>-2034</u>	Shee	et: <u>1</u> of	2	4.
2. Plant: Palo V	Verde <u>Nuclear Gen</u>	erating Station		Unit	t: <u>3</u>		·
<u>5801 S</u>	South Wintersburg	Road., Tonopah,	Arizona 853:	<u>54-7529</u> Wor	rk Order Nur	mber <u>2636962</u>	
3. Work Performe	ed by: Arizona Public	c Service		Тур	e of Code St	amp <u>None</u>	•
	v.		*	Autl	horization No	o. <u>N/A</u>	•
				Exp	iration Date	<u>N/A</u>	
4. Identification o	of System: <u>CHEMIC</u>	CAL AND VOLUM	ME CONTROL	:			
5. (a) Applicable	Construction Code A	ASME Section III 1	NC, Class 2	<u>1974</u> Edition, <u>Su</u>	mmer 1976	Addenda,	Code Case
(b) Applicable	Edition of Section >	(I Utilized for Rep	airs or Replace	ments: <u>1992 E</u> d	<u>lition, 1992</u>	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.							(Yes or NO)
VALVE,	CROSBY	N61177-00- 0003	n/a	3JCHNPSV 0115	1979	Replacement	YES
						·	
					;		
	*						
			·			ý	
					·		
7. Description of V	Work: REPLACEN	MENT OF VALV	<u>re</u>				
8. Test Conducted:	: Hydrostatic	Pneumatic	☐ Nomi	inal Operating Pr	essure 🛚	Exempt	
N-4	416-2  Other	Pressure r	psi	Tes	st Temperatu	re F	
:							
NOTE: Supple inches, (2) info	emental sheets in formation in items 1	orm of lists, sketc thru 6 on this rej	hes, or drawi	ngs may be use ed on each shee	d provided t, and (3) ea	(1) size is 8 ½ 2 ach sheet is num	K 11 ibered

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

### FORM NIS-2 (Back)

_	
9.	Remarks: <u>VALVE 3JCHNPSV0115 WAS REPLACED WITH A SPARE VALVE UNDER 2636962 TO EXPIDITE</u>
	WORK ACTIVITY.
	D 1 T 1 T/O D 1 1 1 707 1/1/A
re	-Pressured Test WO Review – ISI
	ANII ANII
_	
l	Certificate of Compliance
l	Columents of Companies
ŀ	We certify that the statements made in the report are correct and this replacement conforms to the rules of the
•	ASME Code, Section XI.
l	
l'	Type Code Symbol Stamp
ı	
	Certificate of Authorization No. N/A Expiration Date: N/A
١,	Signed: Alan Monow ISI Engineer Date: 42365  Owner or Owner's Designee, Title
<b>'</b>	Owner or Owner's Designee, Title
_	
Γ	
_	CERTIFICATE OF INSERVICE INSPECTION
ſ	
ſ	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
:	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
	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
; 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
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
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
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1 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
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
1 1 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
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 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
	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
	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
	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
	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
	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

		AI-REPAIR/REFI		age of
<ol> <li>Component ID <u>3PEWBV</u></li> <li>Item Description: <u>2" Glo</u></li> <li>N-5 Data Package Number</li> <li>Original Construction Coc</li> </ol>	be Valve 16. :: 3EW02-1	4. W.O. Number:	2732624	
6. Original Installation Code		Vinter 1975 Addenda		
7. Work Description: Repl			,	
8. ISI Flaw	•	NDE Method of Flaw De	tection:	
		Report Number:		
9. Evaluation of the suitabilit	ty of this work as per the re	equirements of IWA - 4150:		
Replacement of disc is to	stop seat leakage. No failt	re in the ASME boundary.		
·				<del>5</del> -
<ul><li>10. Repair/Replacement Wor</li><li>11. Replacement Items Const</li><li>12. Repair/Replacement Acti</li></ul>	ruction or reconciled Code	E/Edition: Sec. III Cl 3, 19		· · · · · · · · · · · · · · · · · · ·
13. ASME Section XI Code/	•	nd 1992 Addenda	zaition 1973 Winter 7	Audenda
14. Preservice Inspection Rec	<del></del>	☐ YES 🖾 NO		
Initial Date	10/04/04 If required	l, include a step in the W.O.	to perform Preservice	e Inspection
15. ASME Section XI Pressu	re Test Required:	☐ YES 🖾 NO		
Initial Date 1	16 Includ	I, include a step in the W.O. He a step in the W.O. to comp	-	
Initial Date 10	0/04/04 componen		• ,	
Initial Mul Date 10	17. Include replacement	le a step in the W.O. to reconnt items.	rd below all applicabl	e numbers for repaired or
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
Disc and stem assembly	70277300S407	ABT 13	NIA	MR 906353
				**
	,			»·
18. Planner Signature	plusu 10/0	Printed Name: J	John Waltman	
19. ISI Signature	Monow 10/	9/04 Printed Name:	Alan Morra	Log Entry
20. ANII ZXI Antona	/ 10-11 E	Printed Name:	R.G. HOGSTR	or(

DEDAID / DEDI

ER OR

TMENT

### 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:	: <u>09/24/20</u>	<u>04</u>	
P.O.1	Box 53999, Phoeni	ix Arizona 85072	<u>-2034</u>	Sheet	t: <u>1</u> of	2	
2. Plant: Palo V	Verde Nuclear Gen	erating Station	· .	Unit:	<u>3</u>	;	
5801.5	South Wintersburg	Road., Tonopah,	Arizona 853	<u>54-7529</u> Work	c Order Nur	mber <u>2732624</u>	
3. Work Performe	ed by: <u>Arizona Public</u>	c Service		Туре	of Code St	amp <u>None</u>	
			.,,	Autho	orization No	o. <u>N/A</u>	
•				Expir	ration Date	N/A	
•	of System: <u>EW, ASN</u>	·	•	• •			
5. (a) Applicable	Construction Code A	ASME Section III 1	VD, Class 3	1974 Edition, Sum	<u>umer 1975</u> /	Addenda,(	Code Case
(b) Applicable	Edition of Section X	(I Utilized for Repa	airs or Replace	ments: 1992 Edi	tion, 1992	Addenda	
6. Identification o	of Components Repai	red 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
Disc & stem assémbly	Dresser	A6T 13	N/A	3PEWBV225	1992	Replacement	NO) ۲es
							·
							·
:		,				424	
	•						
7. Description of V	Work: Replaced the	e Disc and stem s	issembly				•
8. Test Conducted:	: Hydrostatic	Pneumatic	Nomi	inal Operating Pres	ssure [	Exempt 🛛	•
N-4	416-2  Other	Pressure p	psi	Test	Temperatu	re °F	•
		**************************************		· .		•	Ī
inches, (2) info	emental sheets in for formation in items 1 for of sheets is record	thru 6 on this rep	port is include				

F	ORM NIS-2	2 (Back)		
9. Remarks: WO# 2732624 for replacing dis	se and stem assembly.		<del></del>	
· · · · · · · · · · · · · · · · · · ·				44
Pre-Pressured Test WO Review - ISI	NA	\ "		
ANII				
C	Certificate of Co	mpliance		
We certify that the statements made in th ASME Code, Section XI.	e report are correct ε	and this replacement confo	rms to the rules	of the
Type Code Symbol Stamp	N/A		•	_
Certificate of Authorization No.		<del></del>		
Signed: Just Ste. Owner or Owner's D	ENGINEER	Date: _	8/11/05	_
ע ב Owner or Owner ען	esignee, Title		/ (	
CERTIFICAT	E OF INSERV	ICE INSPECTION		
I, the undersigned, holding a valid common Inspectors and the State or Province of A inspected the components described in the to, and state the examinations and taken corrective meaning requirements of the ASME Code, Section	Arizona and employe his Owner's report do not to the best of my asures described in	d by <u>HSB CT</u> of <u>Hartfor</u> during the period of knowledge and belief, the	d, Connecticut	t, have
By signing this certificate, neither the Insconcerning the examinations and correcti the Inspector nor his employer shall be lilloss of any kind arising from or connected	ive measures describ iable in any manner	ped in this Owner's report. for any personal injury or	Furthermore, n	neither
Inspectors Signature  8-11-05	Com	nmissions: <u>NB 9685 "N" "</u> National Board, State		sements

FORH H-2 H OR NPT CERTIFICATE HOLDERS' DATA REPORT FOR DESTINATIONS HUCLEAR PARTS AND APPURTENANCES.

As Required by the Provisions of the ASME Code, Section 111, Div. 1

Manufactured and certifi	ed by Operations, Inter	section thry, 167 & 32	25 North, Ale	xandria, LA 71309-1
		(name and address of	certificate i	nolder)
Manufactured for Arizona	Public Service Co., P.	0. Box 53940, Phoeni	x, AZ 85072	
•	<b>(</b> 1	labe and address of pu	rchaser)	
Location of installation	Arizona Public Service	Co., Mintersburg, Ar	1zona 85343	
	•	(name and add		• •
Type <u>05407, Rev. 13</u> (drawing no.)	AMS 5387	H/A	N/A	1992
(drawing no.)	{ #at'; spec no. }	tenzile ztrangtnj	(CRM)	(year buil
ASME Code, Section III:	1974	Sumer 1975	2	
Febricated in accordance	(edition)	(addenda)	(61922)	(Code Case No.
Fabricated in accordance	with Const. Spec. (Div	. 2 only)	Mevision	N/A Date N/A
		·(No.)	•	. ,
Remarks: N/A	·			<del></del>
Nom. thickness(in.)N/A	din, design thickness (	in.)W/A Dia.ID (ft.2	in.) <u>M/A</u> Leng	th overall(ft.41n.)
When applicable, Certific	cate Holders' data repo	rts are attached for	each item of	this report.
				43-4 f
Part or Appurtenance	National Board No.	Part or Appu		Hational Board No.
Serial Number	in Numerical Order	Serial N		in Numerical Order
1) ABT11	. <u> </u>	(26)		
2) ABTIZ	.  <del></del>	- (20)		<del></del>
3) ABT13		(20)		
4)	-	- 1328)		
2/	-	- (30)		<u> </u>
6)	-	- (32)	<del></del> [-	
7)	.  <del></del>	(32)		<del> </del>
8)	·	(33)(34)		
9)		- 7/35)		
10)	.) <del></del>	(35)		. <del> </del>
11)		(37)		
12)	·} <del></del>	(38)		
13)	·	(39)		
15)	*	(40)		
16)		1 1(44)		
17)		(4z)(45)		
18)		(45)		- <del>-</del> <del>-</del> <del>-</del> <del>-</del> <del>-</del> <del>-</del> <del>-</del> <del>-</del> <del>-</del> <del>-</del>
• • • • • • • • • • • • • • • • • • • •		(44)		
101		(45)		\$
20)	· [	(45)		
20)	1			
19) 20) 21)	<del> </del>	(47)		
20) 21)· 22)		(47)		
20) 21):- 22) 23)		(48)		
20) 21)· 22)				

11. (2) information in items 2 & 3 on this data report number of sheets is recorded at top of this form, and (4) each additional sheet shall be signed by the Certificate Holder and the ANI.

PAGE 83/84

**e233331282** 

08/11/5002 14:5P

•	CERTIFICATE OF	DESIGN		4
Design specifications certified by	N/A (when applicable	P.E. N	/A Reg. Tw. N/A	<u> </u>
Design reports contified by	- H/A	P.EN	/A Reg. no. N/A	<u> </u>
•	CERTIFICATE OF SHOP	COMPLIANCE		<del></del>
of certify that the statements made conform to the rules of construction	in this report are con of the ASME Code, Se	rrect and that the	s (these) discs assy.	
IPY Certificate of Authorization No.	N-2434*	Exp1:	es <u>Hay 20, 1995</u>	
ata <u>( -27-42</u> Name <u>See Line 1</u> (NPT Certificate	Signed /	R R (author)	ed representative)	
	CERTIFICATE OF SHOP	COMPLIANCE		
, the undersigned, holding a valid inspector and the state or province	of Louisians and empl	oyed by The Hartfo s described in thi	rd Stmam Boiler Inspecti s data report on <u>6-22</u>	<u>-72-</u>
nsurance Co., of Hartford, CT, have and state that to the b mese perts or appurtenances in acco	est of my knowledge a rdance with the ASAE	nd ballef, the Cer Code, Section III.	Each part listed has b	icat een
nsurance Co., of Hartford, CT. have	est of my knowledge a rdance with the ASME shown above. the inspector nor his cribed in this data re manner for any person	Code, Section III. s employer makes a aport. Furthermor	Each part listed has b , ny warranty, expressed o e, neither the inspector	r nor

P.O. No. 60216078 QUALITY DOCUMENTS PAGE 016

PAGE 84/84

3SU0H39AW

08/11/2005 14:26 6233937282

ASME SECTION XI – REPAIR / REPLACEMENT					
			<u>Pa</u>	ge 1 of 1	
<ol> <li>Component ID <u>2JEWAL</u></li> <li>Item Description: <u>Essent</u></li> <li>N-5 Data Package Number</li> </ol>	ial Chill Water System Surge	Tank "A" Level Makeup  4. W.O. Number: 2		•	
<ul><li>5. Original Construction Code</li><li>6. Original Installation Code</li></ul>	le Edition: 1974 Edition, W	/inter 1975 Addenda	•		
7. Work Description: Rem			nal rework		
8. ISI Flaw		NDE Method of Flaw Det			
9. Evaluation of the suitabilit	y of this work as per the requ	Report Number:			
No failure in the ASME I	poundry.	ent 15 to corre	ct seaf-lea	Konst	
	boundry. replacem	12 12 12	121/04		
1900 B				27	
10. Repair/Replacement World 11. Replacement Items Const	-	•	74 Edition 1075 Wint	er Addenda	
12. Repair/Replacement Acti	•				
13. ASME Section XI Code/					
14. Preservice Inspection Rec	quired:	☐ YES 🖾 NO			
Initial SE 12 Date 12	/15/04 If required, i	include a step in the W.O.	to perform Preservice	Inspection	
15. ASME Section XI Pressu	•	☑ YES □ NO			
Initial LCO Date 12	73704	include a step in the W.O. a step in the W.O. to comp		•	
Initial LEO Date 12	//5/04 component.	a stop in the vivor to comp		to releasing the	
Initial LCO Date 12	2/13/04 17. Include replacement	a step in the W.O. to reconitems.	rd below all applicable	e numbers for repaired or	
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.	
76HH-001 Value Body	00086699	7441		MK/00 \$30 716-000   FO/, 500 A 74 55 1,01 AO	
Mary Disc	4502 -000497	214		POT CON OCHIN ADVILLES	
Man Disc	4502-000497	21A		46/6879410 TAAA622	
Bonnet	4506 - 0111	327		400043445 -0007	
		·			
18. Planner & Oam	•				
Signature	under 12/1	5/04 Printed Name:	G. OSMUND	50 W	
Signature  19. ISI RP 1000  Signature	•	1/04 Printed Name:		Log Entry RP	
Signature 19. ISI RP10200	P 12/2	Printed Name:		Log Entry RP	

M

# 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.		D	ate: 2/3/200	4	
<u>P. O. I</u>	Box 53999, Phoeni	x Arizona 85072-	2034	Si	neet: <u>1</u> of	2.	44
2. Plant: Palo V	/erde Nuclear Gen	erating Station	•	ប	nit: <u>2</u>		
<u>5801 S</u>	South Wintersburg	Road., Tonopah,	Arizona 8535	54-7529 W	ork Order Nu	ımber 2744635	•
3. Work Performe	ed by: <u>Arizona Publi</u> c	c Service Co.	•	T	ype of Code S	Stamp <u>None</u>	•
•	5801 S. Winter	sburg Rd., Tonopa	h, Arizona, 853	354-7529 A	uthorization ?	No. <u>N/A</u>	
A Tionicial				E	epiration Date	: <u>N/A</u>	
	f System: <u>2EW01-3</u>						
	Construction Code A			•			le Case
	Edition of Section >	•			Edition, 199	2 Addenda	• •
6. Identification o	f Components Repai	red or Replaced an	d Replacement	Components	<del></del>		· · ·
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)
Valve	Target Rock	5	N/A	2JEWALV0	091 1978	Replaced	Yes
Valve Body	Target Rock	7441	N/A	2JEWALV0	091 2005	Replacement	Yes
Bonnet .	Target Rock	327	N/A	2JEWALV0	091 1990	Replacement	Yes
Main Disc	Target Rock	21A	N/A	2JEWALV0	091 1991	Replacement	Yes
	9.					*** **** ***	
				·			
7. Description of	Work: Remove/repla	ce valve body & bo	onnet, rework v	alve internals,	reinstall bon	net tack weld.	
8. Test Conducted	: Hydrostatic 🔲	Pneumatic	Nominal O	perating Press	ıre 🔲 E	xempt N-	416-2 🛛
Otl	ner Press	ure <u>120</u> psi		. •	Fest Tempera	ture <u>70</u> °F	
NOTE: Suppl	emental sheets in f	orm of lists, skets	hes, or drawi	ngs may be ı	; used provide	d (1) size is 8 ½ :	X 11
inches, (2) info	ormation in items 1	thru 6 on this rep	port is include	ed on each sh	eet, and (3)	each sheet is nun	ibered

	FORM NIS-2 (Back)	
<ol> <li>Remarks: remove bonnet tack, remo bonnet tack</li> </ol>	ove internals, replace valve body and bonnet, rework val	ve internals and reinstall
N.O. 2744635	J <sup>i</sup>	
Pre-Pressured Test WO Review – ISI	<u> </u>	<del>«</del>
ANII	NA	
We certify that the statements made ASME Code, Section XI.  Type Code Symbol Stamp	Certificate of Compliance e in the report are correct and this replacement conf	orms to the rules of the
Certificate of Authorization No.	N/A Expiration Date:  OSUI fine Metallum i Cal Expire Date:  wher's Designed, Title	<del></del>
CERTIFI	CATE OF INSERVICE INSPECTIO	N

. CERTIFICATE OF AND	DRVIOLINGILICITON
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 en	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.	<u>.4</u> 4.
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 inspector.	lescribed in this Owner's report. Furthermore, neither anner for any personal injury or property damage or a
LD System	Commissions: NB 9685 "N" "I" AZ264
Inspectors Signature	National Board, State, Province, and Endorsements
Date: 2-3-05	

PV216-08NI (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 Not to Exceed One Day's Production

Pg. 1 of 2

Manufactured for A	izona Public Service Co.; P	hoeniy A7 85072	
Manuactured forA	(name and address of Pu	rchaser)	<i>"</i>
Location of installation	Palo Verde Nuclear Gene	erating Station; Wintersburg Rd	.: Tonopah. AZ
	(nai	ne and address)	
Type <u>206134-1</u> (drawing no.)	SA182 F316L (mat'l. spec. no.)	75 ksi (tensile strength) (	N/A 2005 (CRN) (year built)
ASME Code, Section III,	Division 1: 1974 (edition)	Winter 1975 (addenda date) (cl	1 None ass) (Code Case n
Fabricated in accordance	e with Const. Spec. (Div. 2 o	nly) <u>N/A</u> Revision	N/A Date N/A
Remarks: Valve Bo Spare p	ody, p/n 200928-1 with Sleev eart for valve model no. 76H	ve p/n 102178-1 installed H-001	
Nom. Thickness (in.) N	//A Min. design thickness (	in.) <u>N/A</u> Dia. ID (ft & in.) <u>N/A</u>	Length overall (ft & in.) N
, , -		are attached for each item of thi	
Part or Appurtenance Serial Number  1) 7441 2) ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	National Board No. In Numerical Order NA	Part or Appurtenance Serial Number (26) (27) (28)	National Board No. In Numerical Order
4) 55 66 77 88 99 00 11 22 33 44 55 66 67 77 88 99 00 11 22 33 44 55 56 56 57 88 99 99 99 99 99 99 99 99 99 99 99 99		(29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (41) (41) (42) (43) (44) (45) (46) (47) (48) (49) (50)	

<sup>\*</sup> Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8½ x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

<sup>(12/88)</sup> This form (E00040) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300 REPRINT (7/91)

#### FORM N-2 (BACK - Pg. 2 of 2)

Certificate Holder's Serial Nos. 206134-1 s/n 7441

CERTIFICATION OF I اور	DESIGN	
Design specifications certified by <u>V. Najarian/A.I. Pressman</u>	P.E. State AZ	Reg. No. <u>10746/10409</u>
(when applicable) Design report* certified by Albert J. Bradicich	P.E. State NY	
(when applicable)		
CERTIFICATE OF COM	APLIANCE	
We certify that the statements made in this report are correct an conforms to the rules for construction of the ASME Code, Section	d that this (these) n III, Division 1.	Parts
NPT Certificate of Authorization No. N-1948	Expires _	03/11/2005
Town Book	Simon	Tour of
Date //11/3005 Name Target Rock (NPT Certificate Holder)	Signed R. E	. Glazier; QA Nanager horized representative)
CERTIFICATE OF INS	PECTION	
I, the undersigned, holding a valid commission issued by the Natio and the State of Province of New York and e of Boston, MA have inspected the pump, or valve and state that to the best of my knowledge and belief, the appurtenances in accordance with the ASME Code, Section III, E stamping on the date shown above.	employed by <u>OneBeacc</u> , described in this Data Certificate Holder has	n America Insurance Co. Report on //// 2005 fabricated these parts or
By signing this certificate, neither the inspector nor his emplo concerning the equipment described in this Data Report. Further be liable in any manner for any personal injury or property damage this inspection.	oyer makes any warra rmore, neither the insp e or loss of any kind ari	nty, expressed or implied, ector nor his employer shall sing from or connected with
Date Signed Commission	NY 5102	
(Authorized Inspector) (Na	ms _/ _//	nts) and state or prov. and no.)

# FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL

	Not To Exce	id One Day's Pro	duction	Pg. 1 of 1	
lenulectured and certified by	Target Rock Corp.	, 1900E Broad	anottow Kd, E.	Farmingdale, NY 11735	_
enufactured for Ariz	ona Public Service	*** - * - * - * - * - * - * - * - * - *			
and actored 101		(name and address			_
cation of installation Pa	lo Verde Nuclear Ge	nerating Stat	tion, Wintersb	urg. Arizona	
	SA 479 410	70 KS home or	nd address)	2	_
pe 200861-1	SA 479 316L	70 KSI	N/A	1990	
(drawing no.)	Smet"L spec. no.)	Stonate Strongshi	ter	(year Burit)	_ id
ME Code, Section III:	1974	********* 197	15 3	N/A	
	(edition)	(eddenda dete)	(class)	(Code Case no.)	۳,
pricated in accordance with	Const. Spec. (Div. 2 only)	N/A F	tevision N/A	Date N/A	
		(ne.)			2
marks: Spare Parts	for a completed va	lve - Model	76HH-001		_ Q
Bonnet Ass!	y		•		>
		. •		Sec	Han
m thickness (in 1 N/A	Min. design thick	N/A Die ID (	train.) N/A		Manage
	Min. design thickss (in.) _ olders' Data Report: .ire attach				Manager
· · · · · · · · · · · · · · · · · · ·	Min. design thickss (in.) _ olders' Data Report: .ire attach				Manager
					- R
		ed for each Item of t			- R
en applicable, Cartificate H	olders' Data Reports are attach	ed for each Item of t	his report:	ength overall (ft & in.) N/A	Manager Date
en applicable, Certificate H	olders' Data Report: .ire attach National	ed for each Item of t	this report:	ength overalt (ft & in.) N/A  // National	- R
en applicable, Certificate H Part or Appurtenance Serial Number	olders' Data Report: .ire attach National Board No. in Numerical Order	ed for each Item of t	this report:	ength overalt (ft & in.) N/A  National  Board Number	- R
Part or Appurtenance Serial Number	olders' Data Report: .ire attach  National Board No. in Numerical Order N/A	ed for each Item of t	rt or Appurtenance Serial Number	ength overalt (ft & in.) N/A  National  Board Number	- R
Part or Appurtenance Serial Number	National Board No. in Numerical Order N/A	Ps (26)(27)	rt or Appurtenance Serial Number	ength overalt (ft & in.) N/A  National  Board Number	- R
Part or Appurtenance Serial Number  324 323 325	National Board No. in Numerical Order N/A N/A	Ps (26)(27)(28)	rt or Appurtenance Serial Number	ength overalt (ft & in.) N/A  National  Board Number	- R
Part or Appurtenance Serial Number  11 324 21 323 31 325 41 - 327	National Board No. in Numerical Order N/A N/A N/A N/A	Ps (26)(27)(28)(29)	rt or Appurtenance Serial Number	ength overalt (ft & in.) N/A  National  Board Number	- R
Part or Appurtenance Serial Number  11	National Board No. in Numerical Order N/A N/A N/A N/A N/A	(26)	rt or Appurtenance Serial Number	ength overalt (ft & in.) N/A  National  Board Number	er Date W. A.
Part or Appurtenance Serial Number  11 324 21 323 31 325 41 327	National Board No. in Numerical Order N/A N/A N/A N/A	(26)	rt or Appurtenance Serial Number	ength overalt (ft & in.) N/A  National  Board Number	- R

323 .	N/A	(27)	•	
325	N/A	(28)		
327	N/A	[29]		
330	N/A	(30)		
. 333	N/A	(31)		
342	N/A	(32)		
N/A	N/A	(33)		
·		(34)		
		(35)		
		(36)		
		(37)		
	·	(38)		
		(39)		
		(40)		
	<u> </u>	(41)		
		(42)		
		[43]		
		(44)		- <del> </del>
120		(45)		
	<del></del>	(46)		<del></del>

(47)

(48)

(49)

(50)

N/A N/A °F. Hydro, test pressure . 10. Design pressure ... at temp. \*F psi. Temp.

(when assistance) AMB
"Supplemental information in the form of fists, electhes, or drawings may be used provided (1) size is 8% × 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.

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1(22)

11231

1241

(25)

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

ALSO COMMISSIONED IN PENN., CHID & CURIN.

W.O. 2744635

FORM N-2 (back)

205

See Front Mir. Serial No. CERTIFICATION OF DESIGN V. Najarian Design specifications certified by Design report\* certified by CERTIFICATE OF SHOP COMPLIANCE We certify that the statements made in this report are correct and that this (these) conforms to the rules of construction of the ASME Code, Section III. NPT Certificate of Authorization No. Target Rock Corporation CERTIFICATE OF SHOP INSPECTION t, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of New York and employed by Commission Insurance Company , 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 Date Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage

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

			eed One Day's Pro	duction	" Pg. <u>1</u> of <u>1</u>
1. Manufacti	ured and certified by	Target Rock Cor	p., 1966E Broad	hollow Rd, E. H	armingdale, NY 11735
				s of NPT Certificate Holder	
2. Manufactu	ured for Arizon	a Public Servic	e Co.; Phoenix,	AZ 85072	* 45
:					
3. Location o	f installation Palo	Verde NGS: Wint	ersburg, AZ 953		
4 7 20	00931-1 (drawing no.)	SA-564 630	140,000	N/A - , "	1991
туре	(drawing no.)	(mat'i, spec. no.)	(tenelle strength)	ICRNI	(Year built)
5. ASME Cod	de, Section III:	1974	Winter 1975	<b>3</b> .	N/A
	-	[edition]	(addends date)	(cless)	(Code Case no.)
6. Fabricated	in accordance with Co	nst. Spec. (Div. 2 only) _	N/A R	evision N/A	Date N/A
	and 76HH-00	4, P/N 200931-1			***
					<del></del>
		Min. design thickness (in ers' Data Reports are atte			gth overall (ft & in.) N/A
i	t or Appurtenance Serial Number	National Board No. in Numerical Ord		t or Appurtenance Serial Number	National Board Number in Numerical Order
	17A	N/A	(26)		
(1)	18A	N/A	(20)	<del></del>	

Part or Appurtenance .	National	Part or Appurtenance	National
Serial Number	Board No.	Serial Number	Board Number
Serial Number	in Numerical Order	Serial Number	in Numerical Order
	in righterical Order		. With the state of the state o
17A	N/A	(26)	
18A	N/A	(27)	
19A	N/A	(28) P.O.No.	00200-
20A	N/A	(29) OLALITY	000
21A ·	N/A	(30)	POUMENTS
` 22A	N/A	(31) PAGE /	0:56
23A	N/A	(32)	
N/A	N/A	(33)	
		(34)	
		(35)	· · · · · · · · · · · · · · · · · · ·
		(36)	
		(37)	
<del></del>		(38)	
		(39)	
		(40)	1.9
		(41)	7. 6.7.
		(42)	<del> </del>
		. (43)	\$**
		(44)	
	<del></del>		
•		(46)	
		(47)	
		(48)	
		(49)	
		(50)	

10. Design pressure N/A psi, Temp. N/A °F. Hydro, test pressure 305 psig et temp. °F AMB 

\*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 Date 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)

the state of the second of the			Mir. Serial No	N/A
The place in the second	CERTIFICATION OF E	DESIGN		
Design specifications certified by	N/A (when applicable)	P.E.	State N/A Reg. no	N/A
Design report* certified by		P.E.	State N/A Reg. no	. <u>N/A</u>
	CERTIFICATE OF SHOP CO	OMPLIANCE "		<del></del>
We certify that the statements made is conforms to the rules of construction of	this report are correct and that this (these	o)	Part	
NPT Certificate of Authorization No		Expires	12-12-92	
Date 4/24/4 / Name	Farget Rock Corporation	Signed	(surthorized agreementive)	
	(ISP) Cartificata (Comer)	Fr. Ba	iada. O.A. Manage	r
	CERTIFICATE OF SHOP I	ISPECTION		
, the undersigned, holding a valid com	mission issued by the National Board of B	oiler and Pressure Vess urance Company	el Inspectors and the State	or Province
of Boston Mass have in	pected these i-ms described in this Data Certificate Holder has fabricated these par	Report on	30/4/, and s	
II. Each part listed has been authorized	for stamping on the date shown above.			•
	nspector nor his employer makes any war			
n this Data Report, Furthermore, neith oss of any kind arising from or connec	er the inspector nor his employer shall be i			
Altake (1)	lian D. Kalan	N.Y.ST	ATE COMMISSION IMISSIONED IN PENN., OF	NO. 2288
ANIA	(Authorited Improved)	COLLUNIA COLLUNIA COLLUNIA COLLUNIA COLLUNIA COLLUNIA COLLUNIA COLLUNIA COLLUNIA COLLUNIA COLLUNIA COLLUNIA CO	Het'l Bd (incl andorsements) stars	00 PLOY ADD DO

P.O. No. LOCUMENTS

PAGE 20 01-36

	ASME SECTION	XI – REPAIR / REPI	LACEMENT	•
	1		P	Page of
1. Component ID 4500047	1			
2 Item Description: Crost	y Safety Valve			
3. N-5 Data Package Number	er: <u>3CH13-3</u>	4. W.O. Number:	<u>2749800</u>	
5. Original Construction Co				4.
6. Original Installation Cod	7			• • •
7. Work Description: Re-	conditioning of spare valve			<u>l.</u>
8. 🗌 ISI Flaiv		NDE Method of Flaw De Report Number:	etection: "	•
9. Evaluation of the suitabil	ity of this work as per the re	•		
		e valve is being re-worked.		and dien to correct case
	il pressure odundary. Spar	"	Will replace hozzle a	ind disc to correct seat
<u>leakage.</u>		•		
10 lb	1.0	Dillin Comine	-	\$
10, "Repair/Replacement Wo		<del></del>	74 Edition 1976 Sum	umae Addanda
12. Repair/Replacement Act		•		<i>u</i>
13. ASME Section XI Code	<u>*</u>	nd 1992 Addenda	ounou 1979 or more	
14. Preservice Inspection Re	-	☐ YES ⊠ NO		
Initial. Dury Date 1	C-14-07 . If required	I include a step in the W.O.	to perform Preservic	e Inspection
15. ASME Section XI Press		☐ YES 🖾 NO		, importion
_	•	i, include a step in the W.O.		ection
Initial Day Date	1.79309			
Initial Date 1.	2-19-104 Componen	le a step in the W.O. to com	plete NIS-2 Form pri	or to releasing the
Initial Dang Date 1-	17 Includ	le a step in the W.O. to reco	rd below all applicab	le numbers for repaired or
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
nozzle	APN 45070034	N92013-34-0007	n/a	MR 929749
Disc assembly	APN 45020265	38-0014 K60886- <del>37-0011</del>	n/a	MR -929925 929149
**		032805		328-05
		<del> </del>		
<del></del>			<del> </del>	
		<u> </u>		
••			· · · · · · · · · · · · · · · · · · ·	
·				
D Dave	Anoth 12	W 0 V - D: 137	David Carthan	
18. Planner Signature		Date Printed Name:	David Goodlet	
	111-1-1-	7-06	A1- 41-	
19. ISI Signature		7-05 Printed Name:	Alen Morro	Log Entry
. /		•		
20. ANII 20 Lyotine	<del></del>	Printed Name:	RG HOGESTR	cM.
Signacure	·	Date		

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

As Required by the Provisions of the ASME Code Section XI

·:		·	<u> </u>	·	·	<u> </u>	<u> </u>
1. Owner:	Arizona Public Service	Company, et. al.	•	Date	: 12/14/20	04	
	P. O. Box 53999, Phoen	ix Arizona 85072	-2034	Shee	t: <u>1</u> of	2	
2. Plant:	Palo Verde Nuclear Ger	nerating Station		Unit:	3		
	5801 South Wintersburg	Road., Tonopah.	Arizona 853	<u>54-7529</u> Worl	Order Nu	mber <u>2749800</u>	
3. Work Pe	erformed by: Arizona Publi	ic Service	:	Туре	of Code St	amp <u>None</u>	
,e				Autho	orization N	o. <u>N/A</u>	
				Expir	ation Date	<u>N/A</u>	
4. Identific	ation of System: <u>CH- Cl</u>	nemical and volumi	n control system	<u>m</u>	•		
5. (a) App	licable Construction Code	ASME Section III	NC, Class 2	1974 Edition, Sun	nmer 1976	Addenda, <u>/</u> (	Code Case
(b) App	licable Edition of Section 3	XI Utilized for Rep	airs or Replace	ments: <u>1992 Edi</u>	tion, 1992	Addenda	
6. Identifica	ation of Components Repa	ired or Replaced an	d Replacemen	t Components	· ~	•	·
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired or Replacement	ASME Code Stamped
	Next						(Yes or NO)
Nozzle	Crosby	N92013-34-007	·n/a	3JCHNPSV- 0354	2004	Replacement	МО
Disc assemb	oly Crosby	K60886-38-016	n/a	JCHNPSV354	2004	Replacement	NO
		·				·	
						***	
	•		·				
				•		·	
							·
7. Description	on of Work: Rework of s	spare valve (s/n#)	N61175-00-0	05), apn# 45000	471, to co	rrect seat leakag	e.
8. Test Cond	ducted: Hydrostatic	☐ Pneumatic	Nomi	inal Operating Pre	ssure 🔲	Exempt 🖂	
****	N-416-2  Other	Pressure I	osi	Test	Temperatu	re °F	

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) Remarks: WO# 2749800 for spare valve removed from 3JCHNPSV0354 during 3R11is being reworked to correct seat leakage. The nozzle and disc are being replaced. This spare valve is s/n# N61175-00-0005 Pre-Pressured Test WO Review – ISI ANII N/A

# 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 Expiration Date: N/A Certificate of Authorization No. N/A Expiration Date: N/A Signed: Product Consulting Metallurgi and Expiration Date: 3/30/05 Dwner or Owner's Designee, Title

# I, the undersigned, holding a valid commission issued by the National Board of boiler and Pressure Vessel Inspectors and the State or Province of Arizona and employed by HSB CT of Hartford, Connecticut, have inspected the components described in this Owner's report during the period of Coloros 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" AZZ64 National Board, State, Province, and Endorsements Date: 3-30-05

#### ASME SECTION XI – REPAIR / REPLACEMENT 1. Component ID APN 45002024 2.. Item Description: PSV 3. N-5 Data Package Number: 3SP02-3 4. W.O. Number: 2753321 5. Original Construction Code Edition: 1974 Edition, Summer 1976 Addenda 6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda 7. Work Description: valve seat changed out due to seat leakage. This valve will be returned to stock. Valve serial number 24. NDE Method of Flaw Detection: Report Number: 9. Evaluation of the suitability of this work as per the requirements of IWA - 4150: valve seat changed out due to seat leakage. 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 M NO

If required, include a step in the W.O. to perform Preservice 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

Ø NO If required, include a step in the W.O. for ISI & ANII Inspection.

8. ISI Flaw

15. ASME Section XI Pressure Test Required:

Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
seat nozzle	200872	106	n/a	2753321
				3"
				*
•				
	, ·	·		
18. Planner Ma	file 128-0	7 Printed Name	: Martin J. Sullivan	

☐ YES

component.

Printed Name: RG Houston Date

1. Owner: Arizo	ona Public Service	Company, et. al.		Dat	e: 12/08/20	04	
<u>P. O.</u>	Box 53999, Phoeni	ix Arizona 85072-	-2034	She	et: <u>1</u> of	2	•
2. Plant: Palo	Verde Nuclear Gen	erating Station		Uni	t: <u>3</u> "		•
<u>5801 S</u>	South Wintersburg	Road., Tonopah,	Arizona 853	54-7529 Wo	rk Order Nur	mber 2753321	
3. Work Performe	ed by: <u>Arizona Publi</u>	c Service Co.		Тур	e of Code St	amp <u>None</u>	
	5801 S. Winter	rsburg Rd., Tonopal	h, Arizona, 85	354-7529 Aut	horization N	o. <u>N/A</u>	
				Ехр	iration Date	<u>N/A</u>	
4. Identification of	f System: SP		·			·	
5. (a) Applicable	Construction Code 2	ASME Section III I	ND, Class 3	<u>1974</u> Edition, <u>Su</u>	mmer 1976	Addenda, <u>N/A</u> Co	de Case
(b) Applicable	Edition of Section 3	(I Utilized for Repa	airs or Replace	ments: <u>1992 E</u>	lition, 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 Identification	Year Built	Repaired or Replacement	ASME Code Stamped
Ago			•				(Yes or NO)
Safety Valve	Target Rock	24	N/A	APN45002024	1980	Repaired	Yes
Nozzle Seat	Target Rock	106	N/A	APN45002024	2004	Replacement	No
		·					
•	**		·				
·				·			
	٠			٠			•
7. Description of \	Work: Valve seat ch	anged out due to se	eat leakage. Th	is valve will be	returned to s	tock.	
8. Test Conducted	: Hydrostatic [	Pneumatic	Nominal Op	perating Pressure	Ex	empt 🛭 N-4	116-2 🔲
Oth	ner Pressi	ure psi		Те	st Temperatu	re °F	
	•	, 1					
inches, (2) info	emental sheets in formation in items 1 of sheets is record	thru 6 on this rep	oort is include	ngs may be used on each shee	ed provided t, and (3) ea	(1) size is 8 ½ 2 ach sheet is num	K 11 bered

FO]	RM	NIS-	-2 (	Ba	ck)

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	,• <sup>3</sup> '			: :
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	Certificate of	Compliance		
We certify that the statements	made in the report are cor	rect and this repair confo	orms to the rules of ti	he
ASME Code, Section XI.				TAT.
Type Code Symbol Stamp	N/A			
		T T	771.	
Certificate of Authorization N		-	ate: N/A	<del></del> [
Signed; 12/15	2 L Barrow	1515WL D	ate: <u>12/166</u> 9	<u> </u>
Owne	er or Owner's Designee, Title			
	• • • • • • • • • • • • • • • • • • •		•	
	<del></del>			
1	-	•		•
CEDE	TOTAL OF DICE	DIAGE DICDE CO	TON	
CERI	IFICATE OF INSE	RVICE INSPECT		. 414
#				
, the undersigned, holding a				
nspectors and the State or Pronspected the components des				ut, have
		f my knowledge and belie		rformed
			ort in accordance v	
o <u>12-16-04</u> , according to the corresponding to the	ective measures describe	d in this Owner's Rep	•	
xaminations and taken corre	ective measures describe	d in this Owner's Rep		
xaminations and taken corre	ective measures describe	d in this Owner's Rep		
examinations and taken corrections are taken corrections and taken corrections are taken corrections.	ective measures describe de, Section XI.			vith the
examinations and taken correquirements of the ASME Co	ective measures describe de, Section XI.  ther the Inspector nor his control of the control of t	employer makes any war	ranty, expressed or	with the
examinations and taken correquirements of the ASME Co	ective measures describe de, Section XI.  ther the Inspector nor his and corrective measures de	employer makes any war scribed in this Owner's r	ranty, expressed or report. Furthermore,	with the
examinations and taken corrections and taken corrections are taken corrections.  By signing this certificate, neignocerning the examinations and taken corrections are taken corrections.	ective measures describe de, Section XI.  ther the Inspector nor his and corrective measures der shall be liable in any man	employer makes any war scribed in this Owner's r nner for any personal inj	ranty, expressed or report. Furthermore,	with the
	ective measures describe de, Section XI.  ther the Inspector nor his and corrective measures der shall be liable in any man	employer makes any war scribed in this Owner's r nner for any personal inj	ranty, expressed or report. Furthermore,	with the
examinations and taken corrections and taken corrections are taken corrections.  By signing this certificate, neignocerning the examinations are laspector nor his employer	ective measures describe de, Section XI.  ther the Inspector nor his end corrective measures der shall be liable in any many connected with this inspector.	employer makes any war scribed in this Owner's r nner for any personal inj ection. Commissions: <u>NB 9685</u>	ranty, expressed or report. Furthermore, ury or property dam.	implied, , neither age or a
examinations and taken corrections and taken corrections are taken corrections.  By signing this certificate, neignocerning the examinations and taken corrections are taken corrections.	ective measures describe de, Section XI.  ther the Inspector nor his end corrective measures der shall be liable in any many reconnected with this inspector.	employer makes any war scribed in this Owner's r nner for any personal inj ection. Commissions: <u>NB 9685</u>	ranty, expressed or report. Furthermore, ury or property damage	implied, , neither age or a

	ASME SECTIO	N XI – REPAIR / RE	PLACEMENT	
			P	age of
1. Component ID 3JSGBI	<del></del> .			
2 Item Description: 12"-9				
3. N-5 Data Package Numb		4. W.O. Number	: <u>2760019</u>	
<ul><li>5. Original Construction Co</li><li>6. Original Installation Co</li></ul>	* *			•
7. Work Description: Dis	,		ć.	
8. ISI Flaw P/		NDE Method of Flaw		
A A	•	Report Number:	/A	•
9. Evaluation of the suitabi	lity of this work as per the	requirements of IWA - 415	50:	
Not a failure of the ASI	ME III pressure boundary.	Plug is being replaced to ex	spidite work completion	· .
		•		
	•			***
10. Repair/Replacement Wo	Ţ	<del></del>		•
11. Replacement Items Con				
12. Repair/Replacement Ac			4 Edition 1975 Winter A	Addenda
13. ASME Section XI Code			_	•
14. Preservice Inspection R	equired:	☐ YES 🖾 NO	<b>)</b>	·
Initial Dub Date 4	23-DE If requir	ed, include a step in the W.	O. to perform Preservice	: Inspection
15. ASME Section XI Press	ure Test Required:	☐ YES 🛛 N	0	
Initial Page Date 3	V-23-06 If require	ed, include a step in the W.	O. for ISI & ANII Inspe	ction.
	16 7-1	ude a step in the W.O. to co	mplete NIS-2 Form price	or to releasing the
Initial Driff Date _	9-23-02 compone	<del>-</del>	•	
Initial ' Prof Date 4	17. Inch	ude a step in the W.O. to rec	cord below all applicabl	e numbers for repaired or
Initial Date 9	replacem	nent items.	·	
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
Valve	N/A	21408-7-2	N/A	N/A
Plug	APN 45021282	2	N/A	MR 1090814
<b>*</b>				****
			].	į.
	<b></b>			
	-			
18: Planner Dank	1 hours	4-23-06 Printed Name	: David Goodlet	• •
Signature		Date	•	
19. ISI RPORCE	$\mathfrak{D}$ 4/ $\mathfrak{a}$	94/04 Printed Name	R. PTNDAI	Log Entry RPX
Signature		Date		
on the	ر 4-24-	D. J. a. J. 37	RG HOGSTR	
20. ANII total	9-27-			
Signature		Date Printed Name	- NOC HOGGIN	

\							
1. Owner: Arizo	ona Public Service	Company, et. al.		Date: <u>4/</u>	<u>/23/2006</u>		
<u>P. O. J</u>	Box 53999, Phoen	ix Arizona 85072-2	.034	Sheet:	1 of 2		
2. Plant: Palo V	Verde Nuclear Gen	erating Station		Unit: <u>3</u>		•	
<u>5801 S</u>	South Wintersburg	Road., Tonopah, A	urizona 853	<u>54-7529</u> Work Or	der Numbe	er <u>2760019</u>	
3. Work Performe	ed by: <u>Arizona Public</u>	c Service		Type of (	Code Stam	p None	
•			,	Authoriz	ation No.	<u>N/A</u>	
	A. T. T. T. T. T. T. T. T. T. T. T. T. T.		•	Expiratio	on Date N	<u> </u>	
4. Identification o	of System: SG: Mair	n Steam				₩·	
5. (a) Applicable	Construction Code 2	ASME Section III NC	Class 2	1974 Edition, Winter	<u>1975</u> Adde	enda; <u>MA</u> Cod	e Case
(b) Applicable	Edition of Section 2	KI Utilized for Repair	s or Replace	ements: 1992 Edition	n, 1992 A	ddenda	
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
- 18g			110.				(Yes or No)
Valve	B&W	21408-7-2	N/A	3JSGBHV0178	1981	Repaired	YES
Plug Instacted	Control Components Inc.	2	N/A	3JSGBHV0178	2004	Replacement	YES
Plug Removed	CCI	NA	NA	HT No RNO	1993	Repaired	Yes
	čs.					जिल्ल	
			:	•			
						, .	
7. Description of W	Vork: Disassemble	ed and reconditione	d valve to c	correct seat leakage.		<u> </u>	
8. Test Conducted:	: Hydrostatic	☐ Pneumatic ☐	] Nomi	inal Operating Pressure	:e 🗍 🦪	Exempt 🔀	
N-4	16-2 Other	Pressure psi		Test Ten	mperature	°F	
				÷			
				ngs may be used pro ed on each sheet, and			

#### FORM NIS-2 Back

	Oldivi Ivid-20 Ducix)
Remarks: Work Order: 2750019 (.sasser	mbled vaive 3JSGBHV0. '3 to con .ct seat leakage. The replacement
spare.	lite work completion. The removed plug will be reworked later and saved as a
re-Pressured Test WO Review – ISI	Y/ <del>1</del>
ANII_A	<b>V.A.</b> ~
Atti	
<del></del>	
	Certificate of Compliance
ASME Code, Section XI.	the report are correct and this replacement conforms to the rules of the
ASIVIE Code, Section AI.	
Type Code Symbol Stamp	N/A
	77. 1 To 1 To 1 To 1 To 1 To 1 To 1 To 1 T
Certificate of Authorization No.	•
Signed: DAH-	Date: 5-3-06
Owner or Owner's	Designee, Title
CEDTIFICA	TE OF INSERVICE INSPECTION
CERTIFICA	TE OF INSERVICE INSTECTION
	nmission issued by the National Board of boiler and Pressure Vessel
	Arizona and employed by HSB CT of Hartford, Connecticut, have this Owner's report during the period of 4-24-06
	that to the best of my knowledge and belief, the Owner has performed
	easures described in this Owner's Report in accordance with the
requirements of the ASME Code, Section	on XI.
	nspector nor his employer makes any warranty, expressed or implied,
	tive measures described in this Owner's report. Furthermore, neither liable in any manner for any personal injury or property damage or a
loss of any kind arising from or connected	
,	
2h de	· ·
	Commissions: NB 9685 "N" "I" AZ264
Inensetter Simature	Commissions: NB 9685 "N" "T" AZ264  National Board, State, Province, and Endorsements
Inspectors Signature	
Inspectors Signature  Date: 5-3-0	

## 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

Pa.	1	of	2
	•	••	•

			92688			• ,
	<del></del>		(name and address of	Certificate Holde	r) .	
Manufac	stured for ARIZONA PUBLI	IC SERVICE COMPAN				
	•		(name and address of purcha-	ser)		•
ocation.	of installation PALO VERI	DE NUCLEAR GENER	ATING STATION, WINTERSBU	IRG, AZ		
	<del></del>		(name and add			
уре	320601240	SA182-F11	70 KSI	N/A		2004
,,,	(drawing no.)	(mat'l spec. no.)	(tensile strength)	(CRN)		ear built
SME C	ode, Section III, Division 1:	1974	WINTER 1975_	2		W/A
		(edition)		(class)	(Code	Case-no:
ahricate	ed in accordance with Const. S	inec (div 2 only)	N/A Revision	N/A	// Date	N/A
	A 41 SOME SERVICE THE COURT OF	.pou (div. 2 01117)	(no.)	18/5	_ ~~	18/3
emarks				•	•	
	FOR 12", 900# ATMOSPHER	RIC DUMP VALVE	<u></u>			:
	ROJECT ORDER 108058, CC		<u>.                                    </u>		<del></del>	<del></del>
00.71	100201 010211 10000, 00		•	<del></del>	<del></del>	
om. thici	kness (in.) 3.25 Mi	n. design thickness	3.25 Dia, ID (ft & In.)	N/A Len	gth overall (ft &	(in.) 1
•	· -					· · · · · · · · · · · · · · · · · · ·
ueu app	bilcapie, Certificate Holders, D	ata Kepons are attache	ed for each item of the this repo	nc .		٠
		• .				<del></del>
	Part or Appurtenance	National	Part or A	ppurtenance	Natio	onal
I	Serial Number	Board No. "	Seria	Number .	Board	I'No."
l		in Numerical Orde			In Numeri	cal Order
		in Numerical Orde			In Numeri	cal Order
(1:)	600144 – S/N 1	N/A	(26.)		In Numeri	al Order
(2.)	600144 - S/N 1 600144 - S/N 2		(26.)		In Numeri	⊃al Order
(2.) (3.)		N/A	(26.) (27.) (28.)		In Numeri	al Order
(2.) (3.) (4.)		N/A	(26.) (27.) (28.) (29.)		In Numeri	al Order
(2.) (3.) (4.) (5.)		N/A	(26.) (27.) (28.) (29.) (30.)		In Numeri	al Order
(2.) (3.) (4.) (5.) (6.)		N/A	(26.) (27.) (28.) (29.) (30.) (31.)		In Numeri	al Order
(2.) (3.) (4.) (5.) (6.) (7.)		N/A	(26.) (27.) (28.) (29.) (30.) (31.) (32.)			⇒al Order
(2.) (3.) (4.) (5.) (6.) (7.)	600144 – S/N 2	N/A	(26.) (27.) (28.) (29.) (30.) (31.) (32.) (33.)		· ·	
(2.) (3.) (4.) (5.) (6.) (7.) (8.)	600144 – S/N 2	N/A N/A	(26.) (27.) (28.) (29.) (30.) (31.) (32.)		· · · · · · · · · · · · · · · · · · ·	
(2.) (3.) (4.) (5.) (6.) (7.)	600144 – S/N 2	N/A N/A	(26.) (27.) (28.) (29.) (30.) (31.) (32.) (33.) (34.)		· ·	
(2.) (3.) (4.) (5.) (6.) (7.) (8.) (9.)	600144 – S/N 2	N/A N/A	(26.) (27.) (28.) (29.) (30.) (31.) (32.) (33.) (34.) (35.) (36.) (37.)		· ·	
(2.) (3.) (4.) (5.) (6.) (7.) (8.) (9.) (10.) (11.) (12.) (13.)	600144 – S/N 2	N/A N/A	(26.) (27.) (28.) (29.) (30.) (31.) (32.) (33.) (34.) (35.) (36.) (37.) (38.)		· ·	
(2.) (3.) (4.) (5.) (6.) (7.) (8.) (79.) (10.) (11.) (12.) (13.) (14.)	600144 – S/N 2	N/A N/A	(26.) (27.) (28.) (29.) (30.) (31.) (32.) (33.) (34.) (35.) (36.) (37.) (38.) (39.)		· ·	
(2.) (3.) (4.) (5.) (6.) (7.) (8.) (79.) (10.) (12.) (13.) (14.) (15.) (15.)	600144 – S/N 2	N/A N/A	(26.) (27.) (28.) (29.) (30.) (31.) (32.) (33.) (34.) (35.) (36.) (37.) (38.) (39.) (40.)		· ·	
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#### FORM N-2 (Back - Pg. 2 of 2)

•	CERTIFICA	TE OF DESIGN			
Design Specification certified by	ADA I. PRESSMAN	P.E. State	AZ	Reg. no.	10409
Design Report * certified by	N/A (when applicable)	P.E. State	N/A	Reg. no	N/A
		OF COMPLIANC	•		
We certify that the statements ma conforms to the rules of construct				<u>GS</u>	
NPT Certificate of Authorization No.	N-269	6	· E	Expires AUGI	JST 14, 2006
ate 13-29-01 Name Con	trol Components Inc. (CC (NPT Certificate Holder)	(I) Signed		Authorized repres	entative)
	CERTIFICATE	OF INSPECTION	Ų.		,
the undersigned, holding a valid corr e State or Province of <u>CALIFORNIA</u>	mission issued by the National and employed by HSBCT	of <u>HARTFO</u>	RD, CONNEC	essel Inspectors ar	nd
ave inspected these items described items to fmy knowledge and belief, the Crivision 1. Each part listed has been a y signing this certificate, neither the infinis Data Report. Furthermore, neither any personal injury or property damate.	ertificate Holder has fabricated uthorized for stamping on the d spector nor his employer make er the inspector nor his employinge or loss of any kind arising from the control of the con	ate shown above. s warranty, expres er shall be liable in	ourienances in sed or implied any manner	accordance with A	•

	ASME SECTION 2	XI – REPAIR / REPI	LACEMENT	
			Pa	age of
<ol> <li>Component ID <u>3ISIAUV</u></li> <li>Item Description: <u>A TR</u></li> <li>N-5 Data Package Number</li> <li>Original Construction Code</li> <li>Original Installation Code</li> <li>Work Description: <u>Rep</u></li> </ol>	AIN SDC SUCTION VALV  1: 3SI01-6  de Edition: 1974 Edition, V  Edition: 1974 Edition, W	4. W.O. Number: Winter 1975 Addenda inter 1975 Addenda	T RECIRC SUMP	
8. ISI Flaw  9. Evaluation of the suitabili	ity of this work as per the red	NDE Method of Flaw De Report Number:		measure
with a n	are being replicate sec residence	stant mater	ial (410 vs	17-4 PH)
10. Repair/Replacement Wo 11. Replacement Items Cons 12. Repair/Replacement Act 13. ASME Section XI Code 14. Preservice Inspection Re Initial ALA TO Date 15. ASME Section XI Press Initial ALA Date Initial ALA Date Initial ALA Date Initial ALA Date Initial ALA Date	struction or reconciled Code/ ivity Construction Code/Edit/ Edition: 1992 Edition and equired:  S-6-05 If required, are Test Required:  If required,  16. Include component.	Edition: Sec. III Cl 2, 19 tion: Sec. III Cl 2, 1974 I d 1992 Addenda  YES NO include a step in the W.O. YES NO include a step in the W.O. a step in the W.O. to com	Edition 1975 Winter A to perform Preservice for ISI & ANII Inspec	Addenda  Inspection  ction.  or to releasing the
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
Gasket retainer bolts	APN 00090043	N/A	N1412	MR 975495
			··	sale.
			•	
				· · · · · · · · · · · · · · · · · · ·
••				
18. Planner Signature  19. ISI Can Signature	Monow 5/6 Da	105 Printed Name:	Alan Morron	
20. ANII 20 typ time Signature	<u> </u>		ROBERT CE. HOLE	STROM

1. Owner: Arizo	na Public Service	Company, et. al.		Date:	5-26 :: 1 of	05	
<u>P. O. 1</u>	Box 53999, Phoeni	x Axizona 85072-	-2034	Sheet	: <u>1</u> of	2	
2. Plant: Palo V	Verde Nuclear Gen	erating Station		Unit:	3	0.0	•
5801 5	South Wintersburg	Road., Tonopah,	Arizona 853	54-7529 Work	Order Nur	mber <u>2767649</u>	
3. Work Performe	d by: Arizona Public	Service		Туре	of Code St	amp <u>None</u>	·
·			•	Autho	orization No	o. <u>N/A</u>	
Expiration Date N/A							
4. Identification o	f System: <u>Safety In</u>	<u>jection</u>			,		•
5. (a) Applicable	Construction Code A	ASME Section III N	VC, Class 2	1974 Edition, Wir	<u>iter 1975</u> A	ddenda,C	ode Case
(b) Applicable	Edition of Section X	I Utilized for Repa	irs 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
1							NO)
Valve	Posi -Seal	14338-3A	N/A	3JSIAUV0673	1979	Repaired	YES
Gasket retainer bolts	N/A	HT# N1412	N/A	3JSIAUV0673	2005	Replacement	NO
		·					
						(1) (2) (2)	
7. Description of V	Vork: Replace the	gasket retainer b	olting as requ	ired per EDC 20	005-00035	· ·	
8. Test Conducted:	Hydrostatic	Pneumatic	☐ Nomi	inal Operating Pre	essure 🗌	Exempt 🖾	
N-4	16-2  Other	Pressure p	osi	Test	Temperatu	re °F	
		•					
inches, (2) info	emental sheets in formation in items 1 of sheets is record	thru 6 on this rep	ort is include	ngs may be used and on each sheet	f provided , and (3) ea	(1) size is 8 ½ 2 ach sheet is num	X 11 abered

### FORM NIS-2 (Back)

TOTAL (DUCK)
9. Remarks: Work Order 2767649 replaced the original 410 Stainless steel gasket retainer bolts with more corrosion resistant SA564, Gr 630 bolts per EDC 2005-00035 and DMWQ 2760330.
resistant 9ADOA, Or 050 botts per EDC 2003-00055 and DM WQ 2700550.
Pre-Pressured Test WO Review – ISI
ANII ANII A//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 NoN/A Expiration Date:N/A
Signed: Produp Consulting Metallusgical Engineer Date: 5/26/2005
CEDTREICATE OF INCEDITOR INCDECTION
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 2-6-05
to <u>5-26-05</u> , and state that to the best of my knowledge and belief, the Owner has performed
examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
requirements of the Advill Code, Section Al.
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.
William Commissions: NB 9685 W. "T" AZ264
National Board, State, Province, and Endorsements
пърския отдиние
Date: 5-26-05

	ASME SECTION	XI - REPAIR / REPI	LACEMENT	
			Pa	age of
1. Component ID 3JSIBUV	<u> 0675</u>			
2 Item Description: BTR		VE FROM CONTAINMEN	T RECIRC SUMP	<del></del> ,
3. N-5 Data Package Numbe		4. W.O. Number:	<u>2767650</u>	•
5. Original Construction Co.	- #e*			• •
6. Original Installation Code			•	•
7. Work Description: Rep	lace the gasket retainer bol			•
8. ISI Flaw		NDE Method of Flaw De	etection:	
9. Eyaluation of the suitabili	ty of this work as ner the r	Report Number:		
THE WORTS	e SCC cosist	placed as a and material	presentation in	TUDH)
WIIK TOOK	500 , 63,51		CALO IS IT	ייייי
10 '0	10	n il il - Camila	· •:	
10. Repair/Replacement Wo			74 Edition 1074 Wint	ter Addenda
12. Repair/Replacement Act	•			··- :,
13. ASME Section XI Code/	•		Edition 1975 Willer P	<u>Mucinaa</u>
14. Preservice Inspection Re		☐ YES ⊠ NO	•	
_		_		
Initial NA J.A Date _				Inspection
15. ASME Section XI Pressu	• .	☐ YES ⊠ NO	•	
Initial AAT, D. Date S	-6-05 If required	i, include a step in the W.O.	for ISI & ANII Inspe	ction.
Initial JD. Date S	16. Include componer	de a step in the W.O. to com	plete NIS-2 Form price	or to releasing the
Initial J.o. Date S	17 Inch.	de a step in the W.O. to reco	rd below all applicabl	e numbers for repaired or
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
Gasket retainer bolts		N/A	N1412	MR 975496
Gasket retartier botts	APN 00090043	IVA .	141412	MR 973490
			<del> </del>	
***		<b>-</b>	<del></del>	
<del></del>	:		<del> </del>	<del>-</del> .
	<u> </u>			
·,			<del> </del>	
·			<u> </u>	
18. Planner	D- 5-	6-05 Printed Name:	James I. Davis	
- Signature		Date		
10 YOU DOWN !	Marine 5	6/05 Printed Name:	Alan morro	Wing Enter Am
19. ISI Signature		Date Printed Name:	10-50	LOR EURA
		<i>:</i>	0	
20. ANII RA Forta			REERT G. No.	ESTROM
Signature		Date		

PV216-04NT (8-84)

#### FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI Date: 5-24-05 1. Owner: Arizona Public Service Company, et. al. P. O. Box 53999, Phoenix Arizona 85072-2034 Sheet: 1 of 2Unit: 3 2. Plant: Palo Verde Nuclear Generating Station Work Order Number 2767650 5801 South Wintersburg Road., Tonopah, Arizona 85354-7529 3. Work-Performed by: Arizona Public Service Type of Code Stamp None Authorization No. N/A Expiration Date N/A 4. Identification of System: Safety Injection 5. (a) Applicable Construction Code ASME Section III NC, Class 2 1974 Edition, Winter 1975 Addenda, \_\_\_\_\_ Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1992 Edition, 1992 Addenda 6. Identification of Components Repaired or Replaced and Replacement Components Name of Manufacturer National Other Year Repaired or Name of **ASME** Item Manufacture Serial No. Board No. Identification Built Replacement Code Stamped (Yes or NO) **3JSIBUV0675** 1979 14337-3B N/A Repaired YES Valve Posi -Seal Gasket retainer **3JSIBUV0675** 2005 N/A HT# N1412 N/A Replacement NO bolts 7. Description of Work: Replace the gasket retainer bolting as required per EDC 2005-00036 8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt 🛛 N-416-2. Other Pressure \_\_\_\_ psi Test Temperature

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	2 (Back)		
9. Remarks: Work Order 2767650 replaced resistant SA564, Gr 630 bolts per EDC 20			vith more corrosion	
j.f	. 7			,
Pre-Pressured Test WO Review – ISI	NIA		`	
ANII	NA			_
The time of				
	Certificate of Co	mpliance		
We certify that the statements made in ASME Code, Section XI.	the report are correct a	and this replacement confo	rms to the rules of the	
Type Code Symbol Stamp	N/A			
Certificate of Authorization No.	N/A	Expiration Date: _		
Signed: Clan Mono	TSI E	Date:	5/24/05	

CERTIFICATE OF INSERVICE INSPECTION				
Inspectors and the State or Province of Arizona and e inspected the components described in this Owner's to, and state that to the bes	ed by the National Board of boiler and Pressure Vessel employed by HSB CT of Hartford, Connecticut, have report during the period of to f my knowledge and belief, the Owner has performed ibed in this Owner's Report in accordance with the			
concerning the examinations and corrective measures	nis 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 aspection.			
Inspectors Signature  Date: 5-24-05	Commissions: NB-9685 "N" (1") A 7264 5/4/65  National Board, State, Province, and Endorsements			

	KI – REPAIR / REPI		
		Page	of
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	•	<u>2778624</u>	,
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		779619	
thi 3051 Cold Leg pluggin			Evam
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y of this work as per the req	Ξ,	•	<b></b>
•	•	•	
<del></del>	;		•
			·
k Organization: Arizona P	Public Service/Westinghou	SP.	-18 <sup>1</sup> 1.*
_			Addenda
· · ·	• • •		
=	•		
uired:	☐ YES 🛛 NO		•
12/06 If required,	include a step in the W.O.	to perform Preservice Ir	spection
re Test Required:	☐ YES 🖾 NO	•	
12/06 If required,	include a step in the W.O.	for ISI & ANII Inspection	on.
//2 / 16. Include		plete NIS-2 Form prior t	o releasing the
//2 /2 / 17. Include	a step in the W.O. to reco	rd below all applicable n	umbers for repaired or
Part No.	Serial No.	Heat No.	MR/PO/WO No.
See agrached list	See attached list	See attached list	See attached list
	NA	N X 3171 HK	
NA	NA	N X 44/8HK	. 12/
			;
	·		·
ol 4/12	106 Printed Name:	Barbara Vidal	
	1.0	P D T. 10	G22-2
P 4/14/	I IIIIICG I TAINC.	R. P.INDAP	_Log Entry_9472_
	Generator #1 Cold Leg  3RC01-2 Edition: 1971 Edition. We red 1974 Edition. We red SG31 Cold Leg plugging of this work as per the red 190 2778612  COrganization: Arizona Fraction or reconciled Code/Poity Construction Code/Edition: 1992 Edition and uired:  12/06 If required, reguired.  13/06 If required, replacement.  13/06 If required.  14/06 If required.  15/16 Include component.  17. Include replacement.  18/18/18/18/18/18/18/18/18/18/18/18/18/1	A W.O. Number:  a RCO1-2  be Edition: 1971 Edition, Winter 1973 Addenda  Edition: 1974 Edition, Winter 1975 Addenda  rm SG31 Cold Leg plugging and repair iaw DFWO 2  NDE Method of Flaw De  Report Number: 3R12  of this work as per the requirements of IWA - 4150:  O 2778612  C Organization: Arizona Public Service/Westinghour ruction or reconciled Code/Edition: Sec. III Cl 1, 1974  didition: 1992 Edition and 1992 Addenda  uired: YES NO  If required, include a step in the W.O. to reconce the component.  A Job If required, include a step in the W.O. to component.  16. Include a step in the W.O. to reconce placement items.  Part No. Serial No.  See attached list  NA NA  NA NA  NA  NA  NA  NA  NA  NA	A W.O. Number: 2778624  Bedition: 1971 Edition, Winter 1973 Addenda  Edition: 1974 Edition, Winter 1975 Addenda  Edition: 1974 Edition, Winter 1975 Addenda  INDE Method of Flaw Detection: Eddy Current I Report Number: 3R12 Eddy Current Exam Report Number: 3R12 Eddy Current Ixam Report Number: 3R12

1. Owner Arizona Public Service Company, et. al.					Date	· .	04/27/06	•
P.O. Bo	P.O. Box 53999, Phoenix, Arizona 85072-2034					1	of	3
2. Plant Palo Ver	rde Nuclear Gener	ating Station			Unit		3	· 
-	Wintersburg Rd.,	Name						
•	•	Address			% %		Work Order Number	
3. Work Performed b	w Westinghouse	Name	*		Type Co	de Syn	mbol Stamp	None
	•		•		Authoriz	ation N		I/A
911 W N	Main St Chattanoo				Expiration	on Date	. N/	/A ₹
	D	Address Coolant (SG #1	<b>\</b>		•	J		
4. Identification of Sy	stem <u>Reactor</u> C	OUTAIL (OO TI	<u>)                                    </u>					
5. (a) Applicable Con	nstruction Code ASN	AE Section III	19 <u>71</u> 1	Edition,	<u>W73</u>	_ Adde	enda, N/A	Code Case
(b) Applicable Edi	ition of Section XI Utiliz	zed for Repairs o	r Replacemer	nts 19	92 Edi	tion, S	92 Adde	nda
		,	•	. :		_		•
6. Identification of Co	omponents Repaired o	r Replaced and R	leplacement (	Compor	nents			•
Name of	Name of	Manufacturer	National	0	ther	Year	Repaired	ASME Code
ltem :	Manufacturer	Serial No.	Board No.	Identi	fication	Built	or Replacement	Stamped (Yes or No)
Steam Generator	CE	65273-1	22860				Repaired	Yes
//Tube Plugs	Westinghouse	NA ·	NA	Tube	Plugs	NA	Replacement	No
						·		
		<del></del>			<del></del>		<del></del>	
*								1.504
								-
· .	-		<u> </u>	L			·	
7. Description of Wor	k See remarks on	sheet 2	·			.•		
8. Test Conducted:	Hydrostatic P	Pneumatic 🔲	Nominal Ope	erating (	Pressure		Exempt 🗹	N-416-1 🔲
• •	Other	Pressure	psi	·	·	Test Te	emp	_°F
	<del></del>					•		<del></del> ,
NOTE: Sunniamen	ital sheets in form of	liete ekatchae	or drawings	e mav t	ne used.	provic	det /1) size is f	2 1/2 x 11 in
(2) information in it	ems 1 through 6 on ets is recorded at the	this report is inc	cluded on ea	ach she	et, and	(3) ea	ch sheet is nun	nbered and

730P-9ZZ17

# FORM NIS-2 (Back)

Remarks	Plug the replacement ste 2778612 and DIWO 277	am generator 3MRCFF01 78624	A cold leg tubes per Engineer	ring DFWO
: ::. <u></u>				······································
Pre-Pressure	e Test Review: NA			
	C	ERTIFICATE OF CO	MPLIANCE	
Mo corti	ih, that the statements may	de lo the report are correct	and this replacement conf	forms to the rules
	SME Code, Section XI.	de in the report are conect	repair or replacement	ionns to the fule:
Туре Со	ode Symbol Stamp	N/A		
Certifica	te of Authorization No	N/A	Expiration Date	N/A
Signed	DRI	- ENGR	Date 0	427-06
	Owi	ner or Owner's Designee, Title		
	CERTII	FICATE OF INSERVI	CE INSPECTION	
	dersigned, holding a valid	commission issued by the	National Board of Boiler and	Pressure Vesse
Inspecto	dersigned, holding a valid ors and the State or Province	commission issued by the	National Board of Boiler and	
inspecto of <u>Ha</u> the perio	dersigned, holding a valid ors and the State or Province of Connecticut, head	commission issued by the ce of and empore inspected the compore, and, and, and, and, and, and	National Board of Boiler and ployed by HSB CT nents described in this Owner and state that to the best of my	r's Report during
Inspecto of <u>Ha</u> the periodellef, the	dersigned, holding a valid ors and the State or Province of Connecticut, head	commission issued by the ce of and empore and inspected the compore, are aminations and taken con	National Board of Boiler and ployed by HSB CT nents described in this Owner and state that to the best of my rective measures described in	r's Report during
Inspecto of <u>Ha</u> the perio belief, th Report in  By signir concerni neither th	dersigned, holding a valid of the State or Province of Connecticut	commission issued by the ce of and empare inspected the comportant and taken contains and taken contains of the ASME Contains and taken con	National Board of Boiler and ployed by HSB CT nents described in this Owner and state that to the best of my rective measures described in de, Section XI.  yer makes any warranty, exp bed in this Owner's Report. If nanner for any personal injury	r's Report during r knowledge and n this Owner's ressed or implie Furthermore,
Inspecto of <u>Ha</u> the perio belief, th Report in  By signir concerni neither th	dersigned, holding a valid of the state or Province of the State or Province of the state of Province of the state of the	commission issued by the ce of and empare inspected the comportant and taken contains and taken contains of the ASME Contains and taken con	National Board of Boiler and ployed by HSB CT nents described in this Owner and state that to the best of my rective measures described in de, Section XI.  Yer makes any warranty, exp bed in this Owner's Report. It nanner for any personal injury his inspection.	r's Report during to knowledge and this Owner's ressed or implie Furthermore, or property

E. Come Actions Public Service Computer, et. N. P.O. Box 17999 Process Actions \$5077, 5014	0 <u>04/77/06</u>
2 Pule Verde Nation Generality States 3201 S. Winerphart Rd. Tennesh. Advance 35754-7572	7778434
5 Was Property Westsphane	Ryen Com Sprint Stores None
911 W Main St Chammanage, Tri 37407	
S. be Assessed Communities Comp. <u>\$350(ff Service (ff</u> ) of <u>ff</u> Service be Assessed Service of Service St Unions for Assessed Assessed on the Service of Ass	
E. Samulander of Confession Registers or Registered and Replementary Confe	

#### DFWO 2778612 and DIWO 2778624

Steam Generator (3MRCEE01A) Cold Leg, had mechanical plugs (part # 0307-1601) obtained via MR -733382 installed in the following locations:

Row	Col
50 39 8	89 110 189

These plugs were from heat NX3171HK.

Steam Generator (3MRCEE01A) Cold Leg, had ribbed plugs (part # 1971E18) obtained via MRs - 1076478 installed in the following locations:

Row		Col
10		165
33		72
37		64
39		160
46		125
48		113
54	•	115
55		112
55		114
58		57
60		175
62		157
95	(1) (1)	134
100	3.3	41
101		136
126		49
131		48
131		134
133		118
136		59
139		60
139		128
143		108
144		83
151		106

These plugs were from heat NX4418HK

	ASME SECTION X	KI – REPAIR / REPL	ACEMENT	
			Pa	ge of
1. Component ID 3MRCEE	and the second of the second o			
2 Item Description: Steam				
3. N-5 Data Package Number		4. W.O. Number: 2	<u>2778626</u>	
5. Original Construction Cod	• •	•		٠,
<ol> <li>Original Installation Code</li> <li>Work Description: <u>Perfo</u></li> </ol>		<del></del> .	79612	
8. ISI Flaw	of the SO31 Hot Leg plugging	NDE Method of Flaw De		Fram
0. M 1011 18W		Report Number: 3R12		•
9. Evaluation of the suitabili	ty of this work as per the req		·	port
Evaluation per ENG DFV	· , · ·	,		
Evaluation per Elve DI	VO 2170012		•	
	•		•	
10 D 117	do Occasionationa - Adinous B	habia Camina/Massimahaa	; 	•••
10. Repair/Replacement Wor	•		<del></del>	n Addanda
<ol> <li>Replacement Items Cons</li> <li>Repair/Replacement Acti</li> </ol>	•	·		
13. ASME Section XI Code/			Sattley 1275 Willer A	<u>udenda</u>
14. Preservice Inspection Rec		☐ YES ⊠ NO	·	
4.1	11			
Initial BV Date 4	15/06 If required,	include a step in the W.O.	to perform Preservice	Inspection
15. ASME Section XI Pressu	re Test Required:	☐ YES 🖾 NO	•	
Initial M Date 4	15/06 If required,	include a step in the W.O.	for ISI & ANII Inspec	tion.
^ /	/ / 16 Include	a step in the W.O. to com	plete NIS-2 Form prior	r to releasing the
Initial M Date 4	component.		,	, to consum <sub>g</sub> the
Mal.	/	a step in the W.O. to reco	rd below all applicable	numbers for repaired or
Initial M Date 4	replacement			
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
Tube plugs	See attached list ONH	4-27-06 See attached list	See attached list	See attached list
lı	0307-1601	NA	NX3171 HK	733382
1	197/E18	NA	PXYYIRHK	1076478 \$ 1076480
•				
18. Planner Blil. Signature	l 1/15/0	Printed Name:	Barbara Vidal	
	_ / /		PPT	DON
19. ISI PHOCO Signature	Da	Finned Name.	V. L. TUDAD	Log Entry RPP
<i>a.</i> / .			01 11	
20. ANII Signuture	4-18-c	Printed Name:	RG HOGSTROM	
- Signature		au.	<u> </u>	*

1. Owner Arizona Public Service Company, et. al.				Date		04/27/06		
P.O. Box 53999. Phoenix: Arizona 85072-2034 Address					Sheet_	1	of	3
2. Plant Palo Ver	2. Plant Palo Verde Nuclear Generating Station				Unit		<u>"</u> 3	····
5801 S.	Wintersburg Rd.,	rame Conopah, Arizo Address	ona 85354-	<u>7529</u>	<u></u>	<del></del>	2778626 Work Order Number	· · · · · · · · · · · · · · · · · · ·
3. Work Performed b	y Westinghouse	lame	· · · · · · · · · · · · · · · · · · ·	<del></del>	Туре Со	de Syr	nbol Stamp	None
		,		•	Authoriz	ation N	lo. <u>N</u>	<u>/A</u>
911 W N	Main St Chattanoo	ga, TN 37402 ddress		· ·	Expiration	on Date	N/	'A <u>-</u>
4. Identification of Sy	stem Reactor C	oolant (SG #1	)			'		<del></del>
(b) Applicable Edi	nstruction Code <u>ASM</u> tion of Section XI Utiliz	zed for Repairs or	Replacemen	its 19	92 Edi	<u> </u>		_
Name of Item	Name of Manufacturer	Manufacturer Serial No.	National Board No.	O Identi	ther fication	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)
Steam Generator	CE	65273-1	22860				Repaired	Yes
Tube Plugs	Westinghouse	NA	NA	Tube	Plugs	NA	Replacement	No
	·	,						
								₹.
			•	:	,			<i>i</i>
7. Description of Work See remarks on sheet 2  8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt N-416-1								
	Other 🛄	Pressure	psi			Test Te	emp	_°F
(2) information in it	tal sheets in form of ems 1 through 6 on ets is recorded at the	this report is inc	luded on ea	may tach she	e used, eet, and	provio (3) ea	led (1) size is 8 ch sheet is nun	1 1/2 x 11 in., nbered and

# FORM NIS-2 (Back)

Remarks Dive the replacement steam generator	2) (0) (7) (1)   1   - 1   - 1	1	
Remarks Plug the replacement steam generator 2778612 and DIWO 2778626	3MKC FFUI A hor	leg filles per Enginee	ring DEWO
			<del></del>
			<del></del>
Pre-Pressure Test Review: NA	·		
CERTIFICAT	TE OF COMPLI	ANCE	
We certify that the statements made in the repo of the ASME Code, Section XI.	rt are correct and t	his replacement co	nforms to the rules
Type Code Symbol Stamp N/A			
Certificate of Authorization No. N/A		Expiration Date	N/A
Signed ORN-	ENGK Ignes, Title	Date	4-27-06
•			
CERTIFICATE OF	INSERVICE IN	ISPECTION	<del></del>
		•	
, the undersigned, holding a valid commission is	ssued by the Nation	nal Board of Boiler an	d Pressure Vesse
, the undersigned, holding a valid commission is	ssued by the Nation	nal Board of Boiler and by <u>HSB CT</u>	
, the undersigned, holding a valid commission is inspectors and the State or Province of Azof Hartford, Connecticut, have inspected	ssued by the Nation and employed the components	nal Board of Boiler and by <u>HSB CT</u>	er's Report during
the undersigned, holding a valid commission is inspectors and the State or Province of	ssued by the Nation and employed the components and sta	nal Board of Boiler and by <u>HSB CT</u> described in this Own te that to the best of n	er's Report during
, the undersigned, holding a valid commission is unspectors and the State or Province of 42 of 477-06 to 4-27-06 to 598-100 to 598-100 oelief, the Owner has performed examinations a	ssued by the Nation and employed the components and sta and taken corrective	nal Board of Boiler and by HSB CT described in this Own te that to the best of neasures described	er's Report during
the undersigned, holding a valid commission is inspectors and the State or Province of	and employed the components and taken corrective as ASME Code, Se	nal Board of Boiler and by <u>HSB CT</u> described in this Own te that to the best of ne measures described action XI.	er's Report during ny knowledge and in this Owner's
the undersigned, holding a valid commission is inspectors and the State or Province of A2 of Hartford, Connecticut, have inspected to A27-06 the period A-18-06 to A-27-06 pelief, the Owner has performed examinations a Report in accordance with the requirements of the significant	and employed the components and sta and taken corrective and ASME Code, Second ror his employer mand taken corrective and taken correct	nal Board of Boiler and by HSB CT described in this Own te that to the best of neasures described action XI.	er's Report during ny knowledge and in this Owner's cpressed or implie
the undersigned, holding a valid commission is inspectors and the State or Province of	and employed the components and taken corrective as ASME Code, Senor his employer masures described in	nal Board of Boiler and by HSB CT described in this Own te that to the best of no measures described action XI.  akes any warranty, expending this Owner's Report.	er's Report during ny knowledge and in this Owner's opressed or implie Furthermore,
the undersigned, holding a valid commission is inspectors and the State or Province of	and employed the components and taken corrective and ASME Code, Sent as a sures described in able in any manne	nal Board of Boiler and by HSB CT described in this Own te that to the best of ne measures described action XI.  akes any warranty, expenses the company of this Owner's Report.	er's Report during ny knowledge and in this Owner's opressed or implie Furthermore,
I, the undersigned, holding a valid commission is Inspectors and the State or Province of	and employed the components and taken corrective and ASME Code, Sent as a sures described in able in any manne	nal Board of Boiler and by HSB CT described in this Own te that to the best of ne measures described action XI.  akes any warranty, expenses the control of	er's Report during ny knowledge and in this Owner's opressed or implie Furthermore,
CERTIFICATE OF  I, the undersigned, holding a valid commission is inspectors and the State or Province of	and employed the components and taken corrective and ASME Code, Sent as a sures described in able in any manne	nal Board of Boiler and by HSB CT described in this Own te that to the best of ne measures described action XI.  akes any warranty, expenses the control of	er's Report during ny knowledge and in this Owner's opressed or implie Furthermore,
I, the undersigned, holding a valid commission is inspectors and the State or Province of	and employed the components and taken corrective and ASME Code, Sent as a sures described in able in any manne	nal Board of Boiler and by HSB CT described in this Own te that to the best of ne measures described action XI.  akes any warranty, example the company personal injuries pection.	er's Report during ny knowledge and in this Owner's expressed or implie Furthermore, ry or property
I, the undersigned, holding a valid commission is inspectors and the State or Province of	and employed the components and taken corrective and taken corrective as ASME Code, Sent as the code a	nal Board of Boiler and by HSB CT described in this Own te that to the best of note measures described ection XI.  akes any warranty, expensive this Owner's Report. It for any personal injustices and the spection.	er's Report during ny knowledge and in this Owner's expressed or implie Furthermore, ry or property
the undersigned, holding a valid commission is inspectors and the State or Province of	and employed the components and taken corrective and taken corrective as ASME Code, Sent as the code a	nal Board of Boiler and by HSB CT described in this Own te that to the best of ne measures described action XI.  akes any warranty, example the company personal injuries pection.	er's Report during ny knowledge and in this Owner's expressed or implie Furthermore, ry or property

	Arizana Public Service Company, et al.	0
	P.O. Sax D999 Promis Arizona \$10772-2004	ل- السلسة
		w
	2201 S. Winnerburg Ed., Toronal, Advance \$5754-7579	7778616
2	Messes by Westerghouse	Type Coas Saren Surry None
		N/A N/A
	911 W Main St Chamesoops, TN 37403	. <u> </u>
	Rescier Cooluge (SG 91)	
5 to 40	Care ASME Series III 10 71 Core	W77
	Carrier of Section 18 (Street to Property of Property Section 19	
	named of Contractions Required of Responded and Prophesium of Contra	

#### DFWO 2778612 and DIWO 2778626

Steam Generator (3MRCEE01A) Hot Leg, had mechanical plugs (part # 0307-1601) obtained via MR -733382 installed in the following locations:

Row	Col
50	89
39	110
8	189

These plugs were from heat NX3171HK.

Steam Generator (3MRCEE01A) Hot Leg, had ribbed plugs (part # 1971E18) obtained via MRs - 1076478 and 1076480 installed in the following locations:

Row	•	Col
10		165
33		72
37		64
39		160
46		125
48		113
54		115
55	•	112
55		114
58		57
60		175
62		157
95	.13*	134
100		41
101		136
126		49
131		48
131		. 134
133		118
136		59
139		60
139		128
143		108
144		83
151		106

These plugs were from heat NX4418HK

## ASME SECTION XI – REPAIR / REPLACEMENT

			Page	of				
1. Component ID 3MRCEE	01B							
2 Item Description: Steam	Generator #2 Cold Leg							
3. N-5 Data Package Number: <u>3RC01-2</u> 4. W.O. Number: <u>2778633</u>								
5. Original Construction Coo	le Edition: 1971 Edition, V	Vinter 1973 Addenda		ς.				
6. Original Installation Code	Edition: 1974 Edition, Wi	inter 1975 Addenda						
7. Work Description: Perfe	orm SG32 Cold Leg pluggin	g and repair jaw DFWO 2	778629	:				
8. 🖾 ISI Flaw		NDE Method of Flaw Do	etection: Eddy Current F	Exam				
		Report Number: 3R12	Eddy Current Exam Repo	ort				
9. Evaluation of the suitabili	ty of this work as per the req	uirements of IWA - 4150	<b>:</b> ,	•				
Evaluation per ENG DF	WO 2778629		•					
		•						
				•				
		•		Sea Sea				
10 Decimal 11/2	J. O	nulliu Gamuia a MV-asia alam	, 	var -				
10. Repair/Replacement Wor				A				
11. Replacement Items Cons								
12. Repair/Replacement Acti	<del>-</del>		Edition 1975 Winter Add	enda				
13. ASME Section XI Code/								
14. Preservice Inspection Rec	quired:	☐ YES 🖾 NO						
Initial <u>18V</u> Date <u>4</u>	1/2/06 If required,	include a step in the W.O	. to perform Preservice In	spection				
15. ASME Section XI Pressu	re Test Required:	☐ YES 🔯 NO	•					
Initial By Date 4	1/12/06 If required,	include a step in the W.O.	. for ISI & ANII Inspection	on.				
Initial Date		a stan in the WO to som	-late NIC 2 Farm seiont					
Initial Date 4	106 component.	a step in the W.O. to con	ipiete 1415-2 Form prior t	o releasing the				
Initial AV Date 4	17. Include replacement	a step in the W.O. to reco	ord below all applicable n	umbers for repaired or				
			T - 55 - 15					
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.				
Tube plugs	See attached list	Sec attached list	See attached list	- See attached list				
	0307-1601	NA	NX 3171 HK	733382				
4	1971518	μA .	PX3171HK	1076478 \$				
				1076480				
((	1971E18	MA	NX44184K	1076478 E				
••				1076480				
18. Planner BU	ful 4/12/	06 Printed Name:	Barbara Vidal	<u> </u>				
Signature	Da	ite	puipuiu - Iuui	•				
BPL da	1 4/1+/r	6 Drinted Name:	Dn	هرت				
19. ISI 9 FINDER	7 1 1 Da	Timed Name.	R.P.INDAP	Log Entry TV2				
Signature /	ν Da	uc						
20. ANII Rt frame	4-18-0	Printed Name:	R.G. HOGSTROM	(				
Signature	- Da							

1. Owner Arizona Public Service Company, et. al.					Date		04/27/06		
P.O. Box 53999. Phoenix. Arizona 85072-2034					Sheet_	1	of	3 .	
2. Plant Palo Ver	rde Nuclear Genera	ating Station			Unit		<i>"</i> 3		
<u>5801 S.</u>	Wintersburg Rd.,	lame Fonopah, Arizo	ona 85354-	<u>7529</u>	· .		2778633 Work Order Number		
	•			•	~		•		
3. Work Performed b	y Westinghouse	lame		· ·	Type Code Symbol Stamp None				
	<u>,                                     </u>		·		Authorization No. N/A				
911 W N	Main St Chattanoog	ga, TN 37402	·	<del></del>	Expiration Date N/A				
4. Identification of Sy	D	oolant (SG #2	)						
:							-	7	
5. (a) Applicable Co	nstruction Code ASM	IE Section III	19 <u>71</u> E	Edition,	W73	_ Adde	enda, <u>N/A</u>	Code Case	
(b) Applicable Edi	tion of Section XI Utiliz	red for Repairs or	Replacemen	ts 19	92 Edit	ion, 🧐	<u> 22                                   </u>	nda	
6 Identification of Co	emponents Repaired of	 Postogod sad D	anlanament (	`.					
6. Identification of Co	emponents Repaired of	neplaced and n	epiacement C	Jompor				·	
Name of Item	Name of Manufacturer	Manufacturer Serial No.	National Board No.	O Identi	ther fication	Year Built	Repaired or Replacemen	ASME Code Stamped (Yes or No)	
Steam Generator	CE	65273-2	22861		CEE01B		Repaired	Yes	
Tube Plugs	Westinghouse	NA	NA	Tube	Plugs	NA	Replacement	No	
				_					
							·		
	. •						`		
.,	·								
		-h+2	·						
7. Description or Wor	k See remarks on s	Sheet Z					·	<del></del>	
8. Test Conducted:	Hydrostatic P	neumatic 🔲	Nominal Ope	rating I	Pressure		Exempt 🗹	N-416-1 🔲	
•	Other 🔲	Pressure	psi	••	•	Test Te	emp	_°F	
***	•				••		. •		
(2) information in it	tal sheets in form of ems 1 through 6 on t ets is recorded at the	this report is inc	luded on ea	may t ch she	e used, eet, and	provid (3) ead	led (1) size is 8 ch sheet is nur	3 1/2 x 11 in., nbered and	

# FORM NIS-2 (Back)

9. Remarks Plug the replacement steam generator 3MRCEF01B	cold leg tubes per Engineerir	o DEWO
2778629 and DIWO 2778633		
· · · · · · · · · · · · · · · · · · ·		
•	<u> </u>	<del></del>
and the same same same same same same same sam		· · ·
	<del></del>	
Pre-Pressure Test Review: NA		•
	· · · · · · · · · · · · · · · · · · ·	
CERTIFICATE OF COMI	PLIANCE	
		Figur
We certify that the statements made in the report are correct ar		rms to the rules
of the ASME Code, Section XI.	repair or replacement	
	•	. /
Type Code Symbol Stamp N/A		•
	Final and a Date	27/4
Certificate of Authorization No. N/A	Expiration Date	N/A
Signed DI34 ENGA	Date <u>4</u>	27-06
Owner or Owner's Designee, Title		
		·
CERTIFICATE OF INSERVICE	EINSPECTION	
I, the undersigned, holding a valid commission issued by the Na	ational Board of Boiler and B	rossuro Vossol
Inspectors and the State or Province of Az and emplo		essule vessel
· · · · · · · · · · · · · · · · · · ·		Donost during
of Hartford, Connecticut, have inspected the componer		
the period 4-18-06 to 4-27-06, and	<u> </u>	•
belief, the Owner has performed examinations and taken correct	•	his Owner's
Report in accordance with the requirements of the ASME Code	, Section XI.	
	•	
By signing this certificate, neither the Inspector nor his employe	r makes any warranty evore	seed or implied
concerning the examinations and corrective measures describe		
_ 1	· ·	
neither the Inspector nor his employer shall be liable in any mar		r property
damage or a loss of any kind arising from or connected with this	s inspection.	
	•	
		1. 2/4
Commissio Commissio		
nspector's Signature	National Board, State, Province, a	nd Endorsements
Date 4-27-06	•	

As Required by the Provisions of the ASI	AC COOK SACREM XI
- Arimes Public Service Commerc et al.	04/27/04
P.O. Sax 13999 Procesis Advance \$3077,3014	
Pile Verde Nucleus Generaline Studen	<u>1</u>
1801 S. Winnersburg Rd. Tonomb. Advans \$1154-7579	2771433
n Pennang by Westinghouse	Page Com Spread Street,
-	Automatica N/A
911 W Main & Commence Try Frant	N/A
Reserve Charles (SC 70)	
	· <u>wy</u> <u>wy</u>

#### DFWO 2778629 and DIWO 2778633

Steam Generator (3MRCEE01B) Cold Leg, had mechanical plugs (part # 0307-1601) obtained via MR -733382 installed in the following locations:

Row		Col
12		1
35		80
64		9
65	:	10 51
140		<b>J</b> 1

These plugs were from heat NX3171HK.

Steam Generator (3MRCEE01B) Cold Leg, had ribbed plugs (part # 1971E18) obtained via MRs - 1076478 and 1076480 installed in the following locations:

Row	Col		
- 21	18	. 117	56
21	20	117	72
96	33	121	74
104	59	122	73
106	61 :	133	70
114	69	135	52

These plugs were from heat NX3171HK

Row	Col	Row	Col	Row	Col	Row	Col		Row	i Col
•••					•			•		1
7 -	42	58	119	76	151	. 102	97		119	144
12	141	60	.123	81	92	102	135		127	82
14	59	63	98	81	172	103	78			
14	175	64	107	82	139	105	58			• •
16	15 ;	64	117	83	134	105	90			
16	19	65	12	85	34	106	145			
22	157	65	22	86	135	109	86			i
27	120	67	52	92	115	109	98			
40	67	67	-94	92	157	109	158			
40	117	69 ·	34	95	46	111	92			;
45	160	69	110	95	120	111	94	-	,	
48	97	69	142	96	65	112	93			
48	101	70	101	96	157	112	113			
48	159	70	103	97	64	112	131			
55	- 94	71	100	100	79	117	116			
<b>57</b>	96	74	35	100	161	117	132		. • •	
57 ·	110	76:	129	102	69	•••	132			

These plugs were from heat NX4418HK

#### Page 1. Component ID 3MRCEE01B 2.. Item Description: Steam Generator #2 Hot Leg 3. N-5 Data Package Number: 3RC01-2 4. W.O. Number: 2778635 5. Original Construction Code Edition: 1971 Edition, Winter 1973 Addenda 6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda 7. Work Description: Perform SG32 Hot Leg plugging and repair iaw DFWO 2778629 8. X ISI Flaw NDE Method of Flaw Detection: Eddy Current Exam Report Number: 3R12 Eddy Current Exam Report 9. Evaluation of the suitability of this work as per the requirements of IWA - 4150: Evaluation per ENG DFWO 2778629 .... 10. Repair/Replacement Work Organization: Arizona Public Service/Westinghouse 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 ⊠ NO 14. Preservice Inspection Required: ☐ YES If required, include a step in the W.O. to perform Preservice Inspection 15. ASME Section XI Pressure Test Required: ☐ YES M NO 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 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. Tube plugs See attached list See attached list-See attached list 0307-1601 NX3171 HV 971E18 MA " レメダリリタルド Printed Name: Barbara Vidal 18. Planner Printed Name: R.P.-INDAP Log Entry PP Printed Name: R.G. VOGSTROM 4-18-06 Date

ASME SECTION XI – REPAIR / REPLACEMENT

1. Owner <u>Arizona</u>	Public Service Co	mpany, et. al.	·		Date		04/27/06	5
P.O. Bo	x 53999. Phoenix.	Arizona 85072	2-2034	<del></del>	Sheet_	1	of	3
2. Plant Palo Ve	rde Nuclear Genera	ating Station			Unit		<u>"</u> 3	
5801 S.	Wintersburg Rd.,	lame Fonopah, Arizo	ona 85354-	<u>7529</u>		· 	2778635 Work Order Numbe	,
					`			
3. Work Performed b	westinghouse	lame .	<del></del>	·	Type Co	de Syn	nbol Stamp	None
					Authoriz	ation N	lo. <u> </u>	<u>√/A</u> .
911 W.I	Main St Chattanoo	ga, TN 37402			Expiration	on Date	<u> </u>	/A :-
4. Identification of Sy	D	oolant (SG #2	)					·
:							· · · · · · · · · · · · · · · · · · ·	;
5. (a) Applicable Co	nstruction Code ASM	IE Section III	19 <u>71</u> 1	Edition,	<u>W73</u>	Adde	enda; N/A	_ Code Case
(b) Applicable Ed	ition of Section XI Utiliz	ted for Repairs or	Replacemen	its 19	<u>92</u> Edit	tion, S	92 Adde	enda
6 Identification of Co	omponents Repaired o	r. r Benjaced and B	lenlacement (	Compor	nente		•	
o. Identification of Oc		nepiaced and n	T	Jonipol				
Name of Item	Name of Manufacturer	Manufacturer Serial No.	National Board No.		ther fication	Year Built	ı or	ASME Code Stamped It (Yes or No)
Steam Generator	CE	65273-2	22861	3MRC	CEE01B	1981	Repaired	Yes
//Tube Plugs	Westinghouse	NA	NA	Tube	Plugs	NA	Replacement	No
							,	
			·	•	•			#8 <b>:</b> 6
		1 0				4		-
7. Description of Wor	k See remarks on	sheet 2	<del></del>		<del></del>			<del></del>
8. Test Conducted:	Hydrostatic P	neumatic 🔲	Nominal Ope	erating I	Pressure	0	Exempt 🗹	N-416-1
•	Other 🔲	Pressure	. psi	•	• .	Test Te	emp.	°F
(2) information in it	tal sheets in form of ems 1 through 6 on ets is recorded at the	this report is inc	luded on ea	may t ch she	e used, eet, and	provid (3) ea	ded (1) size is ch sheet is nu	8 1/2 x 11 in., mbered and

### FORM NIS-2 (Back)

Test Review: NA  CE  / that the statements made ME Code, Section XI.	ERTIFICATE OF COI		
CE  / that the statements made			
CE  / that the statements made			
CE  / that the statements made			
that the statements made			
	e in the report are correct	and this realisement and	
• • • •		repair or replacement confor	ms to the rules
le Symbol Stamp	N/A	· ·	. 4
of Authorization No.	N/A	Expiration Date	N/A
Owne	TO SAL- or of Owner's Designee, Title	Date 4	27-06
4.		· ·	
			essure Vesse
	-		
<u>-</u>			his Owner's
g the examinations and co Inspector nor his employe	rrective measures descri er shall be liable in any m	bed in this Owner's Report. Funanner for any personal injury o	rthermore,
20 Aug tions Anspector's Signature	Commiss	Sions National Board, State, Province, as	Az ZG4
	CERTIF  ersigned, holding a valid constant the State or Province ford. Connecticut to the Connecticut to the Country to the Country to the examinations and constant the control of the examinations and constant the control of the examinations and constant the control of the examinations and constant the control of the examinations and constant the control of the examinations and constant the control of the examinations and constant the control of the examinations and constant the control of the examinations and constant the control of the co	CERTIFICATE OF INSERVICE ersigned, holding a valid commission issued by the sand the State or Province of Az and emptored. Connecticut have inspected the comport to 4-27-00, and connecticut to 4-27-00, and connecticut examinations and taken connected with the requirements of the ASME Connectificate, neither the inspector nor his employer that examinations and corrective measures descript the e	CERTIFICATE OF INSERVICE INSPECTION  Persigned, holding a valid commission issued by the National Board of Boiler and Proserved and the State or Province of Az and employed by HSB CT and employed by HSB CT and employed by HSB CT and employed by HSB CT and employed by HSB CT and employed by HSB CT and employed by HSB CT and employed by HSB CT and employer has performed examinations and taken corrective measures described in the accordance with the requirements of the ASME Code, Section XI.  This certificate, neither the inspector nor his employer makes any warranty, express the examinations and corrective measures described in this Owner's Report. Further the inspector nor his employer shall be liable in any manner for any personal injury or a loss of any kind arising from or connected with this inspection.  Commissions  All 2685 A.D. 1.C. National Board, State, Province, and National Bo

Own Admir Datie Series Coppers at A.	0 0407/04
20 Sec 17999 Pressie Arison 1977-3754	
Pole Verte Nector Generalist Street	
1901 S. Winnerhart Bd. Toronth. Advans 35154-7575	7773635
	Type Care System Strong Name
Westspheus	- United Carp States - MAY - MAY
911 W Main St Chammanys, TN 37402	NA NA
Resear Confess (SG #1)	· ·
to Agentua Communication Command ASM/E Supplem 10210 71_ december 102	A WITH Assess NVA Garage
A Annual State of State of State of the Stat	
A WASHINGTON OF STREET A COUNTY OF PROPERTY OF THE PARTY	· 77

#### DFWO 2778629 and DIWO 2778635

Steam Generator (3MRCEE01B) Hot Leg, had mechanical plugs (part # 0307-1601) obtained via MR -733382 installed in the following locations:

Row	Col
12	1
35	80
64	9
65	10
140	51

These plugs were from heat NX3171HK.

Steam Generator (3MRCEE01B) Hot Leg, had ribbed plugs (part # 1971E18) obtained via MRs - 1076478 and 1076480 installed in the following locations:

Row	Col	Row	Col	Row	Col
7	42	69	110	105	58
12	141	69	142	105	90
14.	59	70	101	106	61.
14	175	70	103	106	145
16	15	. 71	100	109	86
16	19	74	35	109	. 98
21	18	76	129	109	158
21	20	76	151	111	92
22	157	81	92	111	94
27	120	81	172	112	93
40	67	82	139	112	113
40 .	117	83	. 134	112	131
45	160	85 ~	. 34	114	69
48	97	86	135	117	56
48	101	92	115	117	72
48	159	92	157	117	116
55	94	95	46	117	132
57	96	95	120	119	144
57	110	96	33	121	74
58	119	96	65	122	73
60	123	96	157	127	82
63	98	97	64	133	70
64	107	100	79	135	52
64	117	100.	161 .		
65 <sup>~</sup>	12	102	69		
65	22	102	97		:
67	52	102	135		
67	94	103	78		
69	34	104	59		

These plugs were from heat NX4418HK.

			Pa	ge <u>\</u> of <u>\</u>
1. Component ID 3JSIBPS	<u> 70169</u>			
Item Description: "B" Sh		<u>ve</u>		•
3. N-5 Data Package Number	•	4. W.O. Number: <u>27</u>	<u>83665</u>	4.
5. Original Construction Cod			• •	• •
6. Original Installation Code				A control of
7. Work Description: Repl	ace the valve to correct seat	leakage.  NDE Method of Flaw Dete		
8. 🗌 ISI Flaw	•	Report Number:	cuon:	
9. Evaluation of the suitabili	ty of this work as per the req	•		
Seat leakage, no failure o	•	,		
		•		
		•	•	·
				erika Ali
10. Repair/Replacement Wor	rk Organization: Arizona P	Public Service		
11. Replacement Items Cons	· ·		4 Edition 1975 Sumr	ner Addenda
12. Repair/Replacement Acti				
13. ASME Section XI Code/	-			
14. Preservice Inspection Rec	quired:	☐ YES		·
Initial $N/4$ Date	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. fo	or ISI & ANII Inspec	ction.
nitial NA Date		e a step in the W.O. to comple		•
Initial Date _<	component.		<del>-</del> .	
Initial J.O Date 4	17. Include replacement	e a step in the W.O. to record t items.	below all applicable	e numbers for repaired or
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
Relief Valve	APN 45000465	N61169-01-0011	N/A	MR 1086500
				4.
			•	
		<del> </del>		
· · · · · · · · · · · · · · · · · · ·				
			· ·	
18. Planner	Mas 4-1	2-06 Printed Name: Ja	I Davis	
-Signature r				
J. J. J. J. J. J. J. J. J. J. J. J. J. J	Da	ite Printed Name: <u>Ja</u>	mes I. Davis .	
( / .		ale .		RUB
19. ISI / /	3/-12-	OG Printed Name: K		Log Entry RUB
19. ISI Signature	2/-/2- Da	OG Printed Name: K	7.L. BROWN	•
19. ISI / /	3/-12-	Printed Name: K		•

ASME SECTION XI - REPAIR / REPLACEMENT

1. Owner:	Arizona Public Service	Company, et. al.		Date: <u>04</u>	/12/2006			
]	P. O. Box 53999, Phoen	ix Arizona 85072-20	<u>034</u>	Sheet:	1 of 2			
2. Plant:	Palo Verde Nuclear Ger	nerating Station	. •	Unit: <u>3</u>	Unit: 3 "			
<u>.</u>	801 South Wintersburg	Road., Tonopah, A	rizona 853	54-7529 Work Ord	der Numb	er <u>2783665</u>	•	
3. Work Pe	rformed by: Arizona Publ	ic Service		Type of C	Code Stan	p <u>None</u>		
				Authoriza	ition No.	<u>N/A</u>		
:	₩ 1. •			Expiration	n Date <u>N</u>	<u>//A</u>		
4. Identifica	ation of System: Safety I	<u>njection</u>				, ,	•	
5. (a) Appl	icable Construction Code	ASME Section III NB	3, Class 1	1974 Edition, Winter	<u>1975</u> Add	enda, Ala Cod	e Case	
(b) Appl	icable Edition of Section	XI Utilized for Repair	s or Replace	ments: 1992 Edition	. 1992 A	ddenda	:	
6. Identifica	ation of Components Repa	ired or Replaced and I	Replacement	t Components				
Name o Item	f Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)	
Valve //	Crosby	N61169-00-0006	N/A	3JSIBPSV0169	1980	Replaced	YES	
Valve	Crosby	N61169-09-0011	N/A	3JSIBPSV0169	1991	Replacement	YES	
		4-16-06						
7. Description	on of Work: Replace the	e valve to correct sea	at leakage.		· <del></del>			
8. Test Cond	iucted: Hydrostatic	: Pneumatic [	] Nom	inal Operating Pressur	re 🗌	Exempt 🛛		
	N-416-2  Othe	r Pressure psi	· . i	Test Ter	mperature	~h of		
					• •		•	
inches, (	Supplemental sheets in 2) information in items umber of sheets is recor	1 thru 6 on this repo	rt is include					
						•		

	FURIVI NIS-2 (Back)
,	Remarks: WO 2783665 replaced the pressure relief valve due to leakage during its pressure test. Spare parts for rework
	were not available at the time.
۲,	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
	Certificate of Authorization No. N/A Expiration Date: N/A
	Signed: 151 ENG Date: 4-16-06
	Owner of Owner 3 Designee, 11de
٠١	
	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
	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.
•	loss of any kind arising from of connected with this inspection.
	Commissions: NB 9685 "N" "I" AZ264 National Board, State, Province, and Endorsements
	Vhspectors Signature
. 1	Date:

	ASME SECTION	XI – REPAIR / RE	PLACEMENT	
			Р	ageof
1. Component ID 3JSIBPS	V0755			
2 Item Description: PRES	SSURE LOCK PREVENTI	ON SYSTEM RELIEF V	ALVE	
3. N-5 Data Package Numb		4. W.O. Number	· · · · · · · · · · · · · · · · · · ·	
5. Original Construction Co				
6. Original Installation Cod		Winter 1975 Addenda		
7. Work Description: Res	placed Disc	NDE Method of Flaw	Detections "	
8. 🗌 ISI Flaw	•	Report Number:	Detection:	
9. Evaluation of the suitabil	ity of this work as ner the r		50:	
	•	<u> </u>		
NO PAICE	REOF ASME	PRESSURE BOU	JDARY	
hile fo	12 LIKE REPLA	comont		
10. Repair/Replacement Wo	nek Occanization - Acizon	Dublic Service	•	
11. Replacement Items Con		<del></del> -	1974 Edition 1975 Sum	mer Addenda
12. Repair/Replacement Ac		i i		
13. ASME Section XI Code	•	and 1992 Addenda		<del></del>
14: Preservice Inspection Re	equired:	☐ YES 🖾 N	0	
Initial Date	. If require	d, include a step in the W.	O. to perform Preservice	e Inspection
15. ASME Section XI Press		☐ YES 🖾 N	•	
Initial A Date	. 75	d, include a step in the W.	O. for ISI & ANII Inspe	ction.
Initial J. Date	16 Inclu	de a step in the W.O. to cont.	omplete NIS-2 Form price	or to releasing the
Initial Jin Date	17. Inclu-	de a step in the W.O. to reach items.	cord below all applicabl	e numbers for repaired or
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
Disc	APN 45020261	N-91988-38-0022	N/A	MR 1085731
				ESC -
· · · · · · · · · · · · · · · · · · ·				
	1 1	10 00	<del>,<b>l</b></del>	
18. Planner Signature		6.06 Printed Name	e: James I. Davis	
			•	
19: ISI 4 600			WILEY ANLSTRU	Log Entry
Signature /	1	Date .		
20. ANII Re type	٧-،	8-∞ Printed Name	RG HOGSTROM	
Signature		Date .		

1. Owner: Arizo	na Public Service	Company, et. al.	. •		Date: <u>04</u>	/16/2006		
<u>P. O. I</u>	Box 53999, Phoeni	x Arizona 85072-2	<u>034</u>	· · .	Sheet:	1 of 2		. •
2. Plant: Palo V	Verde Nuclear Gen	erating Station			Unit: 3	"	. •	
<u>5801 S</u>	South Wintersburg	Road., Tonopah, A	rizona 8535	5 <u>4-7529</u>	Work Ord	er Numbe	r <u>2783726</u>	•
3. Work Performe	ed by: <u>Arizona Publi</u>	c Service	,	-	Type of C	ode Stamp	None None	
				-	Authoriza	tion No.	<u>N/A</u>	
					Expiration	Date N	<b>'A</b>	
4. Identification o	f System: Safety In	jection				•		
5. (a) Applicable	Construction Code	ASME Section III NB	Class 1	1974 Edition	n, <u>Summer</u>	<u>1976</u> Add	enda, 🎎 Co	de Case
(b) Applicable	Edition of Section 2	A Utilized for Repair	s or Replace	ments: <u>199</u>	2 Edition.	. 1992 Ac	<u>ldenda</u>	
6. Identification o	f Components Repai	red or Replaced and l	Replacement	Componen	ts			
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Otl Identif		Year Built	Repaired or Replacement	ASME Code Stamped (Yes or
Valve	Crosby	N-61169-02-0013	N/A	3JSIBPSV	70755	1995	Repaired	No) YES
1,		N-91988-38-0022	N/A	3JSIBPSV	······		Replaced	NO
Disc '	Crosby	N-91988-38-0022	IN/A	333IDF3 V	0755	2006	Replaced	140
· · · · · · · · · · · · · · · · · · ·		•						
	State			<del></del>				· ·
			·	• • • •				
	**							
7. Description of V	Work: Replaced va	ilve disc.						
8. Test Conducted	: Hydrostatic	Pneumatic [	] Nomi	nal Operati	ng Pressure		Exempt 🛛	
<b>N</b> -4	116-2	Pressure psi		•	Test Tem	perature	→/A °F	
		i						•
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	ngs may bo d on each	e used pro sheet, and	vided (1) (3) each	size is 8 ½ X sheet is number	ll ered

	FORM NIS-2 (Back)
9.	Remarks: WO# 2783726 replaced the valve disc to correct leakage.
•	
Pr	e-Pressured Test WO Review – ISI
	ANII ANII
	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
I	Certificate of Authorization Np. N/A Expiration Date: N/A
	Signed: 12.6 Date: 4-19-06 Owner or Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
١	
	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
	requirements of tige Novine Code, occiton 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" AZ264  National Board, State, Province, and Endorsements
	Date: 4-19-06

	ASME SECTION	XI – REPAIR / REP.		age
1. Component ID 3PSIEV	245			age 01
2 Item Description: HPSI		on Check Valve		
3. N-5 Data Package Number		4. W.O. Number:	2783999	
5. Original Construction Co	•	•		<b>S</b>
6. Original Installation Cod	• • • • • • • • • • • • • • • • • • • •	· ·		,
7. Work Description: Rev			t seat leakage	•
8. 🗌 ISI Flaw		NDE Method of Flaw D	,	
	•	Report Number:		•
9. Evaluation of the suitabil	ity of this work as per the r	requirements of IWA - 4150	:	
Seat leakage - No ASM	E boundary failure		•	
	•		•	
10. Repair/Replacement Wo	ork Organization: Arizona	Public Service		
11. Replacement Items Con			974 Edition 1975 Wint	ter Addenda
12. Repair/Replacement Act			the state of the s	- · · · · · · · · · · · · · · · · · · ·
13. ASME Section XI Code	•	and 1992 Addenda	•	· ·
14. Preservice Inspection Re	equired:	☐ YES 🖾 NO	•	٠
Initial Jim Date /	(-50-05 If require	d, include a step in the W.O	. to perform Preservice	e Inspection
15. ASME Section XI Press	ure Test Required:	☑ YES ☐ NO	•	
Tairial Ta Data	If require	d, include a step in the W.O.	. for ISI & ANII Inspe	ction.
Initial Date	16 Teals	de a step in the W.O. to com	-	•
Initial Jo Date 1	1/-33-05 componer		ipicie 1415-2 I orini pric	or to releasing the
·//		de a step in the W.O. to reco	and below all applicabl	A number for consised or
Initial J.a Date 1	17. menu		nu ociow an applicati	e numbers for repaired or
Item ID	Part No.	Serial No.	Heat No.	MRYPO/WO No.
Bomet Disc Assy	45060170	Bandet 50 5 DISC 5N 2	2576 2669	2860078
Service Control	75000170	100000	1 2 3	
		<del> </del>	<del> </del>	
\$\$\text{\$\exititt{\$\text{\$\exititt{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\text{\$\texititt{\$\text{\$\text{\$\text{\$\text{\$\text{\$\texititit{\$\text{\$\texititt{\$\text{\$\text{\$\te			<del> </del>	
•				
	Q- 11-20	2-01-		
18. Planner Signature		Printed Name:	James I. Davis	•
0 1 6 7 7	4		•	
19. ISI MAY	<del></del>		WILEY AHLSTE	Log Entry LT9
Signature	Γ	Date	•	
20. ANII 25 40tm	n-	22-05 Printed Name	RGE HOGSTRON	
Signiture		Date Printed Name:		
PV216-000( (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 <u>Arizona</u>	Public Service Co	ompany, et. al.			Date _		04/27/06	<b>.</b>
P.O. Bo	x 53999. Phoenix.	Arizona 8507	2-2034	<del></del>	Sheet_		1 of	2
2. Plant Palo Ve	rde Nuclear Gener			• ,	Unit		3	
	Wintersburg Rd.,	Name		-7529			2783999	
		Address			'.		Work Order Number	
3. Work Performed I	y Arizona Public	Service Name	; :		Туре С	ode Sy	mbol Stamp	None
	•				Authoria	zation I	NoN	//A
5801 S.	Wintersburg Rd.,	Tonopah, Az 8	35354-7529	<del>)</del>	Expiration	on Dat	PN/	<u>'A</u>
4. Identification of Sy	stem Safety In	ection		<del></del> -	· .			<u> </u>
	4.53							,
5. (a) Applicable Co	nstruction Code ASM	ME Section III	,19 <u>.74</u>	Edition,	W75	_ Add	enda, <u>N/A</u>	Code Case
(b) Applicable Ed	ition of Section XI Utili	zed for Repairs of	r Replacemer	nts 19 <sub>.</sub> _	92 Edi	tion, _	92 Adder	nda
6. Identification of Co	omponents Repaired o	r Replaced and R	Replacement (	Compon	ents			
Name of Item	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Ot Identif	her ication	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)
Valve-	Borg-Warner	32614	1056	1 .	V245	1	Repaired	Yes
Disc - removed	Borg-Warner	NA	NA	HT#	2X51	1978	Repaired	Yes
Bonnet - removed	. Borg-Warner	ŅA	NA	HT#	2X58	1978	Repaired	Yes
Disc - installed	Borg-Warner	SN2	NA	HT#	2E69	*	Replacement	No
Bonnet - installed	Borg-Warner	SN5	NA	HT#	2E76	*	Replacement	No No
							<i></i>	
	·							
7. Description of Work 8. Test Conducted:	Replaced the boo		nssembly.					N-416-1 🔲
212	Other [	Pressure > 213	bo psi		•	Test Te	mp. <u>207</u>	°F
NOTE: Supplement (2) information in ite the number of sheet	ms 1 through 6 on t	his report is incl	luded on ead					

73DP-9ZZ17

### FORM NIS-2 (Back)

O Bemedo	· Fi
9. Aemaiks	Work Order 2783999 replaced the honnet and disc assembly with the assembly from 1PSIEV245
	The installed assembly was removed by work order 2732251 and refurbished by work order
	2860078
•	
حنسبين والعجرة	
•	
Des Desse	Tot Device 101 0/24 4-276
Pre-Press	sure Test Review: ISI DISH 4-2706 ANII A-28-06
}	CERTIFICATE OF COMPLIANCE
Y Ma contif	by that the statements made in the report are correct and this realisement, conforms to the viles
1	y that the statements made in the report are correct and this replacement conforms to the rules
of the AS	SME Code, Section XI.
1 :	
Tuna Car	de Symbol Stamp N/A
1 type Cod	de Symbol StampN/A
Cartificat	a of Authorization No.
- Certificat	e of Authorization No. N/A Expiration Date N/A
0:	
Signed_	Date 5/10/06
ļ.	Owner or Owner's Designee, Title
ŀ	
***	
Į.	CERTIFICATE OF INSERVICE INSPECTION
¥	CERTIFICATE OF INSERTION INSTITUTE
l she somet	animad holding a valid commission issued by the National Doord of Ballan and Barraya Vanad
	ersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel
Inspectors	s and the State or Province of Asizous and employed by HSB CT
	tford, Connecticut, have inspected the components described in this Owner's Report during
the period	
belief, the	Owner has performed examinations and taken corrective measures described in this Owner's
1	accordance with the requirements of the ASME Code, Section XI.
neporting	accordance with the requirements of the Asian Code, Section XI.
By signing	this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied,
	g the examinations and corrective measures described in this Owner's Report. Furthermore,
'	
neither the	Inspector nor his employer shall be liable in any manner for any personal injury or property
1	r a loss of any kind arising from or connected with this inspection.
Januaye O	i a ross of any third ansing from or connected with this inspection.
1	
	1
	75 Atten Commissions No 9685 "A, N, 1, C" Az 264
-	Inspector's Signature National Board, State, Province, and Endorsements
· _	
Date	5-10-06
Date	5-10-06

#### ASME SECTION XI – REPAIR / REPLACEMENT Page 1 of 1 1. Component ID 3SG033H017 & 3SG036H011 2.. Item Description: PIPE HANGERS 3. N-5 Data Package Number: 3SG01-2 4. W.O. Number: 2789761 5. Original Construction Code Edition: 11974 Edition, Winter 1975 Addenda 6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda 7. Work Description: Repair Pipe Hangers per DFWO 2788864 Disposition 8. X ISI Flaw FPZ 3/2/06 NDE Method of Flaw Detection: Report Number: 9. Evaluation of the suitability of this work as per the requirements of IWA - 4150: This replacement of the support with a better design 16 The OPEND 2788864 contains all the details all the details. 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: \_Date 2/27/06 If required, include a step in the W.O. to perform Preservice Inspection ☐ YES M NO 15. ASME Section XI Pressure Test Required: If required, include a step in the W.O. for ISI & ANII Inspection. Date 2/2 Hos 16. Include a step in the W.O. to complete NIS-2 Form prior to releasing the Date 2/28/06 Initial 16 component. Date 2/24/06 17. Include a step in the W.O. to record below all applicable numbers for repaired or Initial ME replacement items. Item ID Heat No. MR/PO/WO No. Part No. Serial No. · MR 1071147 CD B-1270 000 90366 01071145-003 ROMU-1, COLLAR 62502 PARTS REMOVED LANTI ROTATION WASHED 2/28/06 Printed Name: Glenn E. Moore Printed Name: Ramakant Indap Log Entry PPL

3-2-06

Date

Printed Name: \_Robert G. Hogstrom\_

	The second	denominate sements		no 13-31-12 Code Dec	711011 2 21		
1. Owner: Arizo	ona Public Service	Company, et. al.		Date: 01	70000 P 0	5-3-06	i i
<u>P. O.</u>	Box 53999, Phoen	ix Arizona 85072-2	<u>2034</u>		1 of 2		
2. Plant: Palo	Verde Nuclear Gen	nerating Station		Unit: 3	<i>ii</i>		
5801	South Wintersburg	g Road., Tonopah, A	Arizona 853	54-7529 Work Ord	der Numbe	er <u>2789761</u>	
3. Work Perform	ed by: <u>Arizona Publi</u>	ic Service		Type of C	Code Stamp	p None	
			•	Authorizz	ation No.	<u>N/A</u>	
	÷.		v	Expiration	n Date N	<u>∥A</u>	
4. Identification c	of System: <u>SG - Ste</u>	eam Generating - ASM	∕IE Section I	II Class 2			. •
5. (a) Applicable	Construction Code	ASME Section III NF	F, Class 2	1974 Edition, Winter 1	1975 Adde	enda, <u>#A</u> Cod	le Case
(b) Applicable	e Edition of Section ?	XI Utilized for Repair	rs or Replace	ements: 1992 Edition	ı, 1992 A	ddenda	
6. Identification o	of Components Repa	ired or Replaced and I	Replacemen	t Components			
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired or Replacement	ASME Code Stamped
No. 10			140.				Stamped (Yes or No)
Pipe Support	Pullman Power	3SG033H017 .	NA	3SG033H017	1979	Repaired	YES
Pipe Support	ITT Grinnell	3SG036H011	NA	3SG036H011	1982	Repaired	YES
UNIT 1 PIPE SAPPORT	ITT GRIDNOII	G2502	NA .	COLLAR & WASHER FROM UNT 1 SG-036-H1/	1982	REPAIRED	NO
	·		NA.			1860	
	Z.	• *					
	:						i.
7. Description of V	Work: Repair Pipe	Supports 3-SG-03?	3-H-017 and	d 3-SG-036-H-011 po	er DFW(	<u>) 2788864</u>	
8. Test Conducted:	: Hydrostatic	Pneumatic	] Nomi	inal Operating Pressure		Exempt 🖾	
N-4	416-2  Other	Pressure psi		Test Tem	perature	→/A oF	
				ngs may be used proved on each sheet, and			

1

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

	FORM NIS-2 (Back)
DFWO 2788864 Disposition.	aired Pipe Supports 3-SG-033-H-017 & 3-SG-036-H-011 per EDC# 2005-00281 -
Pre-Pressured Test WO Review - ISI	~ \
ANII_	JA-
	Certificate of Compliance
We certify that the statements made i Code, Section XI.	in the report are correct and this repair conforms to the rules of the ASME
Type Code Symbol Stamp	<u>N/A</u>
Certificate of Authorization No.	N/A Expiration Date: N/A
Signed: Owner or Owner	151 ENG Date: 5-4-06
CERTIFIC	ATE OF INSERVICE INSPECTION
Inspectors and the State or Province of inspected the components described in	ommission issued by the National Board of boiler and Pressure Vessel of <u>Arizona</u> and employed by <u>HSB CT</u> of <u>Hartford, Connecticut</u> , have in this Owner's report during the period of
examinations and taken corrective requirements of the ASME Code, Sec	measures described 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 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: 5-4-06

E-PK-REPENTION TIME MAR HO.

9006

1-56

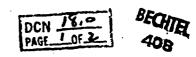
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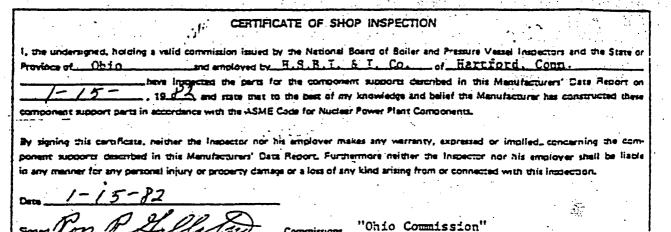
### FORM NF-2 MANUFACTURERS' PARTIAL DATA REPORT FOR PARTS FOR COMPONENT SYRSORT 3 4 42 4 As Required by the Provisions of the ASME Code Rules, Section III, Division 1

	Manufactured by			INeme and address of	•		
2	Menutactured to	Becht		P.O. Box: 6086			s Argeles
3.	Location of Insti	Pal	• *	en. Sta., 3 Mil			Arizona
4.	(a) Part Seriel	(b) Caredisn Registration	(c) Part Drawing	(d) Description	(e)	National Board	lg) / Year
٠,	(1) G2501	N/A	No. E-1394 Rev I	er Part #58 "B" Fig 8	Class 11-H 2	No.	Built
	-(2) G2502 /		E-1394 Rev I	#56 "B" Fig 8	<del></del>	N/A N/A	1982 1982
	G2503 /	N/A	E-1394 Rev I	#56 "B" Fig 8	<del></del>	N/A	1982
	G2500	M/A	E-1394 Rev I	#58 "B" Fig 8		N/A	1982
•	(4) G2505 ~		E-868 Rev L	#1 "B" Fig.81		N/A	1982
	(S) G2303	107.55	<u> </u>	F1 D 125 V2			
	(6)				··		
	:.(7)	<del></del>	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·		
•	(8)				· ·		
	191		· · · · · · · · · · · · · · · · · · ·			-	·
	(10)					<del></del>	
·	<u> </u>	<del></del>	CSTTE	ICATE OF COMPLI	NCE	· · · · · · · · · · · · · · · · · · ·	
				rrect and that these con inti, Section III, Divisio			
				1728, 1729, 173			(Dare)
<b>n</b>	January :	14, , 81	Signed III Gr	innell Corp.	- 2 Par	engl tar	ek
		-					•
			Harmon No. N-24LLL	NPT		Symbol expires <u>Se</u>	

Data report covers welded items only.



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DCN 1813 PAGE 2 DF 2



### 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

1. Manufact	tured by		al, Inc 160 Frenchtown F and address of NPT Certificate Ho	Rd. No.Kingstown, RI 02852 older)	
2. Manufact	ured for	Arizona Public Service Co	. Palo Verde 5801 South \	Wintersburg Road Tonopah, A	\Z 85354
			(name and address of Purchaser)		<u> </u>
3. Location	of Installation			th Wintersburg Road Tohopa	h, AZ 85354
		•	(name and address)		
4. Type:	C.S.S.		DRS 66 REV (Design Report or Load Capacit		2005 (year built)
	•			•	
5. ASME C	ode_Section III, Division	1: 1974 (edition)	Winter 1975 (addends date)	(dass)	N/A (Code Case no.)
A 11 118	•	<b>(Control)</b>	,	<b>,</b>	(0000 0000 1101)
6. Identificat			(c.) -	(d)	
	(a) Component	(b) Material	Canadian	Applicable	(e) National
	Support	Specification	Registration	Drawings With	. Board
	I.D. No.	No.	No.	Last Rev. & Date	No.
444		0400		000 10005/5 2 20000	LVA
. (1)	2005- 45	SA36	N/A	066-10025/F 3/20/00	. N/A
(2)	2005- 46	SA36	N/A	066-10025/F 3/20/00	/ N/A
\ <sup>2</sup> )	2003- 40	07100		000 1002011 0.20.00	
(3)	2005- 47	SA36	N/A	. 066-10025/F 3/20/00	N/A
(4)	2005- 48	SA36	N/A	066-10025/F 3/20/00	N/A
(5)	2005- 49	SA36	N/A	066-10025/F 3/20/00	. N/A
. (6)	2005- 50	SA36	N/A	066-10025/F 3/20/00	N/A
(7)				,	
<u> </u>		·	·		·
<sup>'</sup> (8)				<del></del>	· .
. (9)	<u> </u>			<del></del>	·
(10)		<del>_</del> _			
		:	•		
. Remarks:	- <del> </del>		·		T
	<u> </u>		<del></del>		
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· <del></del>					<del> </del>
	PO#: 500289081 Rev	.01			
	SO#: 41-70575 ~			•	

12/88) This form (E00075) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

<sup>\*</sup>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.

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

	Compor	nent Support I.D. Nos.	2005-45	through	2005-50
	CERT	IFICATE OF DESIGN	·	· · · · · · · · · · · · · · · · · · ·	
Design Specification certified by	H. R., Sonderegger	P.E. State	R.I.	Reg. no	3537
Design Report certified by	Frank J. Birch	P.E. State	R.I.	Reg. no	4149
				"	
	CERTIFIC	CATE OF COMPLIANC	E	<del></del>	
We certify that the statements made construction of the ASME Code, S	•	ect and that these co	omponent sup	ports conform	to the rules for
NPT Certificate of Authorization No.		02.	Expires	9/29	/2007
Date <u>8-/5-05</u> Nam	Anvil International, In  (NPT Certificate Holder)		KIC	W_	
	CERTIFIC	CATE OF INSPECTION	<b>N</b>		, , , , , , , , , , , , , , , , , , ,
I, the undersigned, holding a valid	commission issued by th	•		ressure Vessel	inspectors and
the State or Province of	Rhode Island		ployed by		3. C.T.
on Hartford, 0	, and state	have inspected the cathet to the best of my kases of the SME Code, Section III,	nowledge and		•
By signing this certificate, neither the component supports described in the manner for any personal injury or p	is Data Report. Furthern	nore, neither the insp	ector nor his	ėmployer shali	be liable in any
Date 8/15/05 Signed	(Authorized Inspection)		T 862 I. Bd. (Incl. endo		e or prov. and no.)

	ASME SECTION	N XI – REPAIR / REPI	LACEMENT	
	<u> </u>		Pag	ge t of t
1. Component ID 3SG045			•	
2 Item Description: PIPE				
3. N-5 Data Package Numb		4. W.O. Number:	<u>2790468</u>	
5. Original Construction Co	_ 1"		•	
<ol> <li>Original Installation Cod</li> <li>Work Description: Re</li> </ol>				ra e
8. ISI Flaw	pair Pipe mangers per Di vi	NDE Method of Flaw De	otantian.	
0. <u>[_]</u> 131 1 1mm		Report Number:	Rection.	. •
9. Evaluation of the suitabi	ility of this work as per the	requirements of IWA - 4150:	: ·	
	· ·	er design is in response to ider		d in Unit 2R12 ner
DFWO 2788864 contain	•	4401611	things on both and	I III OIII AANIA PE.
DI II V E . VXVX	ils all the details.		·	
			. · .	
10. Repair/Replacement Wo	ork Organization Arizon	a Dublic Carvice	:	10 TM 11 11 11 11 11 11 11 11 11 11 11 11 11
•	<del></del>	de/Edition: Sec. III NF Cl 2.	1974 Edition Winter	1075 Addenda
	•	dition: Sec. III NF Cl 2, 19		
13. ASME Section XI Code		and 1992 Addenda	751 2000000000000000000000000000000000000	Fragona
14. Preservice Inspection Re	<del></del>			
10/	-1-1-1		•	•
<del></del>		d, include a step in the W.O.		Inspection
15. ASME Section XI Press	sure Test Required:	☐ YES ☒ NO		
Initial Date 3	3/3/06 If required	d, include a step in the W.O.	for ISI & ANII Inspect	ion.
	<del></del>	de a step in the W.O. to comp	plete NIS-2 Form prior	to releasing the
Initial 12 Date	3/06 17. Include replacement	de a step in the W.O. to recorent items.	rd below all applicable i	numbers for repaired or
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
ROD, THREADED, 2IN	00090366	NA	V5-1644	500289081
2" WELDED BEAM ATTACHMENT	00090383	10#2005-HT	so N/A	5028908
5		\$57~		3 . <u></u>
			``	
	<del></del>	1		<del> </del>
		+	<b> </b>	} <del></del>
	1()	ļ		
18. Planner Signature		Printed Name: G	ilenn E. Moore	•
19. ISI Signature	ndap 13/9	alac	Ramakant Indap	Log Entry
20. ANII Signature	3-10	o-oc Printed Name:	_Robert G. Hogstrom	
	1,	Date		

نسيب سيدسا								
1. Owner: Arizo	ona Public Service	Company, et. al.		<del></del>	Date: <u>01</u>	1/26/2006		
<u>P. O.</u>	Box 53999, Phoen	ix Arizona 85072-2	<u> 2034</u>		Sheet:	1 of		,
2. Plant: Palo	Verde Nuclear Gen	nerating Station			Unit: 3 "	•	•	
5801	South Wintersburg	g Road., Tonopah, A	arizona 853	<u>54-7529</u>	Work Ord	ler Numbe	er <u>2790468</u>	
3. Work Perform	ed by: <u>Arizona Publi</u>	ic Service			Type of C	Code Stamp	p <u>None</u>	
•			· -	•	Authoriza	ation No.	N/A	
		•		•	Expiration	n Date <u>N/</u>	<u>/A</u>	
4. Identification o	of System: <u>SG - Ste</u>	eam Generating - ASM	∕IE Section II	II Class 2	٠.			
5. (a) Applicable	Construction Code,	ASME Section III NF	Class 2	<u>1974</u> Editic	on, <u>Winter 1</u>	<u>1975</u> Adde	nda, Cod	e Case
(b) Applicable	Edition of Section 7	XI Utilized for Repair	rs or Replace	ments: <u>19</u>	92 Edition	<u>. 1992 Ac</u>	<u>ldenda</u>	
6. Identification o	f Components Repai	ired or Replaced and l	Replacement	t 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
Pipe Support	Pullman Power	3SG045H017	NA	3SG045H	J017	1979	Repaired	No) YES
77		<del> </del>		<u> </u>	·	ļ	-	<u> </u>
Pipe Support	ITT Grinnell	3SG042H011	NA	3SG042H	1011	1982	Repaired	YES
							<b></b>	<u> </u>
· · ·						<b> </b>		
				<u> </u>				
					·			
	. :							
7. Description of V	Work: Repair Pipe	Support 3-SG-045-	-H-017 and	3-SG-042	-H-011 pe	r DFWO	2788864	
8. Test Conducted:	: Hydrostatic	Pneumatic	☐ Nomi	inal Operati	ing Pressure	» 🔲 J	Exempt 🖾	
N-4	116-2  Other	Pressure psi			Test Tem	iperature	°F	
	•	1			· .		: .	
inches, (2) info	rmation in items 1	orm of lists, sketche thru 6 on this repor led at the to of this fo	rt is included	ngs may bed on each	e used pro sheet, and	vided (1) (3) each	size is 8 ½ X 1 sheet is numbe	l1 ered

	FO	RM	NIS-2		(Ba	ck)
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Remarks: Work Order 2790468 - Repaired	I Pipe Supports	3-SG-042-H-0	l 1 and 3-SG-045-H	-017 per EDC# 2005-0	0282
- DFWO 2788864 Disposition.					
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e-Pressured Test WO Review – ISI		N			
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ANII	. ·	14	· · · · · · · · · · · · · · · · · · ·		
,					
			•		
C	Certificate (	of Complia	ince		•
We certify that the statements made in th	ne renort are co	orrect and this	renair conforms	to the rules of the AS	ME
Code, Section XI.	ie report are ec	officer and unis	repair comornis	o the fules of the As	IVIIS
, , , , , , , , , , , , , , , , , , , ,				***	
Type Code Symbol Stamp	N/A				
Certificate of Authorization No.	<u>N/A</u>		Expiration Date:	<u>N/A</u>	-
Signed: ///	×	3/01/	· Date:	5-2-06	
Owner or Owner's D	Designee, Title	3/200	Duto.		L
				•	•
· ·					
Section 2	•	•	•		
				, ,	
CERTIFICAT	TE OF INS	ERVICE I	<b>NSPECTIO</b>	N	I
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4					- 1
//	mission issued	l by the Matio	nal Board of hoi	lar and Processes Voc	201
I, the undersigned, holding a valid communications and the State or Province of A					
Inspectors and the State or Province of A	Arizona and en	nployed by HS	B CT of Hartf	ord, Connecticut, ha	
Inspectors and the State or Province of A inspected the components described in the to, and state the	Arizona and en his Owner's re nat to the best	nployed by <u>HS</u> eport during th of my knowled	BB CT of Hartfele period of dige and belief, the	ord, Connecticut, has a -10-06 e Owner has perform	ive ied
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Inspectors and the State or Province of A inspected the components described in the to, and state the examinations and taken corrective mean requirements of the ASME Code, Section	Arizona and en his Owner's re nat to the best asures describ n XI.	nployed by <u>HS</u> eport during the of my knowled bed in this O	SB CT of Harts the period of dige and belief, the wner's Report is	e Owner has perform accordance with	ive ied the
Inspectors and the State or Province of A inspected the components described in the to, and state the examinations and taken corrective meaning to, and state the examinations and taken corrective meaning to, and	Arizona and enhis Owner's renat to the best asures describe XI.	nployed by <u>HS</u> eport during the of my knowled sed in this O	BB CT of Hartfe period of dige and belief, the wner's Report is kes any warranty	e Owner has perform accordance with	ive ned the
Inspectors and the State or Province of A inspected the components described in the to, and state the examinations and taken corrective mean requirements of the ASME Code, Section By signing this certificate, neither the Inspectors and the State of Province of A inspectors and the secretary and state the secretary and secretary are secretary as a secretary and secretary are secretary as a secretary and secretary are secretary as a secretary as	Arizona and enthis Owner's renat to the best asures describe XI.  spector nor his ive measures of	nployed by <u>HS</u> eport during the of my knowled bed in this O s employer ma described in th	SB CT of Hartf le period of lige and belief, th wner's Report in kes any warranty is Owner's report	e Owner has perform accordance with  y, expressed or implicate. Furthermore, neith	ed,
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Inspectors and the State or Province of A inspected the components described in the to, and state the examinations and taken corrective mean requirements of the ASME Code, Section By signing this certificate, neither the Inspector nor his employer shall be like	Arizona and en his Owner's renat to the best asures describe XI.  spector nor his live measures of labe in any m	apployed by HS eport during the of my knowled ed in this Of semployer ma described in the anner for any pection.	SB CT of Harts  the period of  dige and belief, the wner's Report in the wner's Report in the wner's report in the personal injury of the wner's report in the wner's repor	e Owner has perform accordance with accordance with the Furthermore, neither property damage of the Property damag	ed,
Inspectors and the State or Province of A inspected the components described in the to, and state the, and state the examinations and taken corrective mean requirements of the ASME Code, Section By signing this certificate, neither the Insconcerning the examinations and correction the Inspector nor his employer shall be likely as of any kind arising from or connected the Inspector from the Inspector of the Inspector of the Inspector from the Inspect	Arizona and en his Owner's renat to the best asures describe XI.  spector nor his live measures of labe in any m	apployed by HS eport during the of my knowled ed in this Of semployer ma described in the anner for any pection.	SB CT of Harts  the period of  dige and belief, the wner's Report in the wner's Report in the wner's report in the personal injury of the wner's report in the wner's repor	e Owner has perform accordance with expressed or implicate. Furthermore, neither property damage of	ed,
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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 \_\_\_\_

Manufac	tured for	Arizona	Public Service		Verde 5801 Sou and address of Purcha		ntersburg Road To	nopah, A	\Z 85354
Location	of installation	Arizo	ла <del>Þ</del> ublic Se	<u>.</u> , .		• •	Wintersburg Road	Tonopa	h. AZ 85354
					(name and address				1.
Туре:	C.S.S.			(De	DRS 66 R		ata Sheet)		2005 (year built)
ASME C	ode, Section III, Di	•	1074		Winter 1975		2		N/A
		VISION 1.	(edition)		(addenda dale)		(class)		(Code Case no
dentificat	ion				•				,
	(a) Component Support I.D. No.	\$	(b) Material Specification No.		(c.) Canadian Registration No.		(d) Applicable Drawings Wit Last Rev. & Da		(e) National Board No.
	. 4								100 100
· (1)	2005- 51	· · · · · ·	SA36	· · · · · · · · · · · · · · · · · · ·	N/A	<del></del>	066-10025/F 3/2	20/00	N/A
(2)	2005- 52		SA36		N/A		066-10025/F 3/2	20/00	// N/A
(3)									
(4)	·								
(5)			·					:	· · · · · · · · · · · · · · · · · · ·
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.(8)					··		·		
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(10)							<u> </u>		· · · · · · · · · · · · · · · · · · ·
marks:			•		. ·				· 
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								<u> </u>	
····								·	
	PO#: 500289081	Rev.02							

\*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.

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 \_\_\_\_\_)

•	Compon	nent Support I.D. Nos.	2005-51	through	2005-52
	CERT	TFICATE OF DESIGN	·	·	
			•		
Design Specification certified by	H. R. Sonderegger	P.E. State	R.I.	Reg. no	3537
Design Report certified by	Frank J. Birch	P.E. State	R.I.	Reg. no	- 4149
	CERTIFIC	CATE OF COMPLIANC	CE		<del></del>
		AIL OI COMP	/ <b></b>		
We certify that the statements ma	Section III, Division 1.			•	٠.
NPT Certificate of Authorization No.	N-280	<u>/2 :                                   </u>	Expires	9/2:	9/2007
Date 8-24-05 Nam	me Anvil International, Inc (NPT Certificate Holder)		175.	24	
1			· i		,
	CERTIFIC	CATE OF INSPECTION	N		
			•		. :.
I, the undersigned, holding a valid	commission issued by the	a National Board of	Boiler and P	ressure Vessel	Inspectors and
the State or Province of	Rhode Island	and em	ployed by	H.S.f	B. C.T.
of Hartford, (		have inspected the co		•	• •
on \$24/05	, and state t	that to the best of my k	nowledge and	I belief, the Cert	ificate Holder has
constructed these component support	ts in accordance with the AS	ME Code, Section III,	Division 1.		
•	•				: .
By signing this certificate, neither ti	he inspector nor his emple	over makes any war	ranty, expres	sed or implied	concerning the
component supports described in the		*	•	•	<del>-</del>
manner for any personal injury or p	•		•	· . •	•
	11 011		or of a	DANK	<i>(</i>
Date Signed Signed		Commissions /C	2 OCL	- MUIVS	)
//"	(Authorized Inspection)	(Nati	i. 8d. (inci. enco	Insements) and star	ite or prov. and no.)

	ASME SECTION	XI-REPAIR/REPI	ACEMENT	
			P	Page of
<ol> <li>N-5 Data Package Numbers</li> <li>Original Construction Code</li> <li>Original Installation Code</li> <li>Work Description: Report</li> <li>ISI Flaw</li> <li>Evaluation of the suitabile</li> <li>Electrical Portion of the</li> </ol>	cror coolant systemer: 3RC01-2  ode Edition: 1971 Edition, Verlace Defective Pressurizer In the place Defective Pressuriz	4. W.O. Number: 2 Winter 1973 Addenda Winter 1975 Addenda Heaters, Perform Fillet Weld NDE Method of Flaw De Report Number: equirements of IWA - 4150: ilure of the ASME Code Box	RS 2797822 I between Préssurizer stection:	
10. Repair/Replacement Wo 11. Replacement Items Con 12. Repair/Replacement Ac 13. ASME Section XI Code 14. Preservice Inspection Re Initial PA Date S 15. ASME Section XI Press	struction or reconciled Code tivity Construction Code/Ed/ /Edition: 1992 Edition and equired:	e/Edition: Sec. III Cl 1, 19	Edition 1975 Winter A	<u>Addenda</u>
Initial KIS Date  Initial KIS Date  Initial KIS Date	16. Include component 17. Include replacement	e a step in the W.O. to recornt items.	plete NIS-2 Form prior	or to releasing the
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
50 KW Pressurizer Heater A09	APN 00076277	S/N 1603	NA	MR 976866
50 KW Pressurizer Heater A11	APN 00076277	SN 1608	NA	MR 976866
50 KW Pressurizer Heater B02	APN 00076277	S/N 1639	NA	MR 976866
50 KW Pressurizer Heater B05	APN 00076277	S/N 1605	NA	MR 976866
50 KW Pressurizer Heater 308	APN 00076277	S/N 1601	N/L	MR 976866
9. ISI Signature Signature	Monow 5/11	ate		Log Entry au

#### ASME SECTION XI – REPAIR / REPLACEMENT Page Z of · 1. Component ID 3MRCEX02 2.. Item Description: REACTOR COOLANT SYSTEM PRESSURIZER HEATERS 3. N-5 Data Package Number: 3RC01-2 4. W.O. Number: 2797822 5. Original Construction Code Edition: 1971 Edition, Winter 1973 Addenda 6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda 7. Work Description: Replace Defective Pressurizer Heaters, Perform Fillet Weld between Pressurizer and the New Heater NDE Method of Flaw Detection: 8. ISI Flaw Report Number: 9. Evaluation of the suitability of this work as per the requirements of IWA - 4150: Electrical Portion of the Heaters have failed, No Failure of the ASME Code Boundry. 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 Initial P/A Los Date 5/u/2005 If required, include a step in the W.O. to perform Preservice Inspection 15. ASME Section XI Pressure Test Required: ☐ YES M NO Initial N/A ws Date 5/11/21-5 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 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. 50 KW Pressurizer Heater APN 00076277 S/N 1628 MR 976866 B11 50 KW Pressurizer Heater MR 976866 APN 00076277 B13 MR 976866 50 KW Pressurizer Heater APN 00076277 **B14** 50 KW Pressurizer Heater APN 00076277 MR 976866 **B17** \$11/2005 Printed Name: Karl V. Savage 18. Planner 5/11/05 Printed Name: Alen

5-11-05

Date

Printed Name: R.C. Hostrom

20. ANII

Signature

1. Owner: Arizo	na Public Service	Company, et. al.			Date	: <u>05/12/200</u>		4.
<u>P. O. F</u>	Box 53999, Phoen	nix Arizona 85072	<u>2-2034</u>	,	Sheet	t: <u>1</u> of	<u> </u>	
2. Plant: Palo V	Verde Nuclear Gen	nerating Station			Unit:	: <u>3</u> .		
5801 S	South Wintersburg	g Road., Tonopah	. Arizona 853	54-7529	Work	k Order Nur	mber <u>2797822</u>	
	ed by: <u>Arizona Publi</u>				Туре	of Code St	tamp <u>None</u>	
	• <del>-</del>		· · · • <b>;</b>	•		orization No		
		•		•	•	ration Date		
* ************************************	f System: Reactor (	Contant RC - AS	Section II	•	Enp.	AllUii Juna	<u>IVA</u>	
					11/ir	1073 A	, , , , , , , , , , , , , , , , , , ,	1 0
	Construction Code 2							ode Case
	Edition of Section >	-				tion, 1992	Addenda	
6. Identification of	f Components Repai	ired or Replaced an	d Replacement	t Component	ts	·	<del></del>	
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identifica	-	Year Built	Repaired or Replacement	ASME Code
ricia	ATAMA ALIA		<b>D</b> 0	200	1000		Acptach	Stamped (Yes or
				<b></b>			<b></b>	(Yes or NO)
Pressurizer Heater	Framatome	023	N/A	3MRCEA0	09	2004	Replaced	YES
Pressurizer Heater	GE	1603	N/A	3MRCEA0	09	1977	Replacement	YES
Pressurizer Heater	Framatome	002	N/A	3MRCEA1	11	2004	Replaced	YES
Pressurizer Heater	GE ·	1608	N/A	3MRCEA1	11	1977	Replacement	YES
Pressurizer Heater	Framatome	004	N/A	3MRCEB0	)2	2004	Replaced	YES
Pressurizer Heater	GE	1639	N/A	3MRCEB0	)2	1977	Replacement	YES
Pressurizer Heater	Framatome	010	N/A	3MRCEB0	)5	2004	Replaced	YES
Pressurizer Heater	GE .	1605 or 1607	N/A	3MRCEB0	)5	1977	Replacement	YES
Pressurizer Heater	Framatome	030	N/A	3MRCEB0	)8	2004	Replaced	YES
Description of W	ork: Replace 9 Fa	ailed/Failing Pres	surizer Heate	<u>rs</u>	_			
3. Test Conducted:	Hydrostatic	☐ Pneumatic	☐ Nomi	inal Operatin	ıg Pres	sure 🛚	Exempt	
N-41	16-2  Other 1	Pressure p	si		Test'	Temperatur	re °F	
NOTE: Supplent inches, (2) inform	mental sheets in fo mation in items 1	orm of lists, sketch	hes, or drawin	ngs may be	used	provided (	(1) size is 8 ½ X	. 11 bered

1. Owner: Arizon	na Public Service	Company, et. al.		Date	e: <u>05/12/20</u>	005	
P. O. Box 53999, Phoenix Arizona 85072-2034 Sheet: 1 of							
2. Plant: Palo Verde Nuclear Generating Station					:: <u>3</u> ″		
<u>5801 S</u>	South Wintersburg	z Road., Tonopah	. Arizona 853	<u>54-7529</u> Wor	k Order Nu	mber <u>2797822</u>	
3. Work Performed	d by: <u>Arizona Publ</u>	ic Service	·	Тур	e of Code Si	tamp None	
					norization N		
		•	• .	•		•	
	· · <u>-</u>				ration Date	<u>N/A</u>	
4. Identification of		• ;				<b>,</b> .	
5. (a) Applicable (	Construction Code,	ASME Section III 1	NB, Class 1	<u>1971</u> Edition, <u>Wi</u>	<u>nter 1973</u> A	ddenda, Co	ode Case
(b) Applicable?	Edition of Section	XI Utilized for Rep	airs or Replace	ments: <u>1992 Ed</u>	ition, 1992	! Addenda	
6. Identification of	Components Repa	ired or Replaced an	ıd 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)
Pressurizer Heater	GE	1601	N/A	3MRCEB08	1977	Replacement	YES
Pressurizer Heater	Framatome	032	N/A	3MRCEB11	2004	Replaced	YES
Pressurizer Heater	GE	1628	N/A	3MRCEB11	1977	Replacement	YES
Pressurizer Heater	Framatome	015	N/A	3MRCEB13	2004	Replaced	YES
Pressurizer Heater	.GE	1604	N/A	3MRCEB13	1977	Replacement	YES
Pressurizer Heater	Framatome	017	N/A	3MRCEB14	2004	Replaced :	YES
Pressurizer Heater	GE	1629	N/A	3MRCEB14	1977	Replacement	YES
Pressurizer Heater	Framatome	020	N/A	3MRCEB17	2004	Replaced	YES
Pressurizer Heater	GE	1605 or 1607	N/A	3MRCEB17	1977	Replacement	YES
7. Description of W	ork: Replace 9 F	ailed/Failing Pres	surizer Heate	rs			
8. Test Conducted:	Hydrostatic	☐ Pneumatic	☐ Nomi	nal Operating Pre	essure 🛛	Exempt	
Ņ-41	16-2	Pressure \ p	os <b>i</b>	Test	: Temperatur	re °F	
inches, (2) infor	mental sheets in formation in items 1 of sheets is record	thru 6 on this rep	ort is include				

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FC	RI	$\mathbf{M}$	NIS.	-2 (	Ba	ck)

. Remarks: Work Order 279	97822. Replaced 9	Failed/Failing Pre	essurizer Heaters.		·	
	, a <sup>ff</sup>					
re-Pressured Test WO Revie	ew – ISI	VA				- -
	ANII		· .			
100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to 100 to						-
:	Cer	tificate of Co	mpliance			
We certify that the stateme ASME Code, Section XI.	nts made in the re	eport are correct	and this replacen	nent conforms to	the rules of the	
Type Code Symbol Stamp		N/A		· · · · · · · · · · · · · · · · · · ·		
Certificate of Authorization	n No.	N/A	Expiration	on Date:	N/A	
Signed: <i>WILEY AMESTEDS</i>	75	151 E		Date: 6-1-0		
	William Community	nee, inc	•	· · · · · · · · · · · · · · · · · · ·	•	
·	·					•
						—
	RTIFICATE	OF INSERV	TCE INSPE	CTION		-
CEF  I, the undersigned, holding Inspectors and the State or inspected the components of the component	g a valid commiss Province of <u>Arizo</u> described in this ( , and state that to	sion issued by th ona and employe Owner's report d to the best of my	e National Boar d by <u>HSB CT</u> o luring the period knowledge and l	d of boiler and I of <u>Hartford, Con</u> of <u>s-u-os</u> belief, the Owner	nnecticut, have has performed	
I, the undersigned, holding Inspectors and the State or inspected the components of to	g a valid commiss Province of <u>Arizo</u> described in this ( and state that to orrective measure	sion issued by th ona and employe Owner's report d to the best of my es described in	e National Boar d by <u>HSB CT</u> o luring the period knowledge and l	d of boiler and I of <u>Hartford, Con</u> of <u>s-u-os</u> belief, the Owner	nnecticut, have has performed	
I, the undersigned, holding Inspectors and the State or inspected the components of to	g a valid commiss Province of <u>Arizo</u> described in this ( and state that to orrective measure	sion issued by th ona and employe Owner's report d to the best of my es described in	e National Boar d by <u>HSB CT</u> o luring the period knowledge and l	d of boiler and I of <u>Hartford, Con</u> of <u>s-u-os</u> belief, the Owner	nnecticut, have has performed	
I, the undersigned, holding Inspectors and the State or inspected the components of the ASME examinations and taken correquirements of the ASME.  By signing this certificate, in concerning the examination the Inspector nor his employed.	g a valid commiss Province of Arizo described in this of and state that to orrective measure Code, Section XI.  meither the Inspect as and corrective measure yer shall be liable	sion issued by thoona and employed Owner's report do the best of my res described in the control of the test of the best of th	e National Board d by <u>HSB CT</u> of during the period knowledge and I this Owner's I	d of boiler and I of Hartford, Con ofs-u-os belief, the Owner Report in accord warranty, expres r's report. Furthe	r has performed dance with the ssed or implied, ermore, neither	
CEF  I, the undersigned, holding Inspectors and the State or inspected the components of	g a valid commiss Province of Arize described in this of and state that to orrective measure Code, Section XI.  meither the Inspect as and corrective in yer shall be liable in or connected wi	sion issued by thona and employed Owner's report do the best of my res described in the control of the control of the best of my res described in the control of the contro	e National Board d by <u>HSB CT</u> of during the period knowledge and I this Owner's I over makes any ed in this Owner for any personal n. missions: <u>NB 96</u>	d of boiler and I of Hartford, Con ofs-u-os belief, the Owner Report in accord warranty, expres r's report. Furthe	r has performed dance with the seed or implied, ermore, neither ty damage or a	

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73DP-9ZZ17 Rev 9

	ASME SECTION	XI - REPAIR / REP		
1 Component ID 2DCUM	7262		Pa	agelofl
<ol> <li>Component ID <u>3PCHN</u></li> <li>Item Description: <u>Borg</u></li> </ol>		I-1 77650 2 8 4		
3. N-5 Data Package Number		4. W.O. Number:	2797958	
5. Original Construction Co		The state of the s	<u> 2177730</u>	
6. Original Installation Cod	* *			
7. Work Description: Rep			23 studs with SA564 (	Gr 630 material
8. ISI Flaw		NDE Method of Flaw D		
Commence of the commence of th	•	Report Number:		•
9. Evaluation of the suitabil	ity of this work as per the re	equirements of IWA - 4150	): San Taran	•
Not a failure in the ASM	E III pressure boundary. T	he bonnet studs are being r	eplaced to enhance bor	ic acid corrosion
resistance. The nuts are	also being replaced to reduc	e contamination & radiolo	gical dose.	
			•	-ह <u>ः -</u> ज
10 Densis/Renlessment We	-l- Oii A-i	Dublic Comice	:	*
10. Repair/Replacement Wo			074 Edition 1075 Wills	A'99.5.1.
<ul><li>11. Replacement Items Cons</li><li>12. Repair/Replacement Act</li></ul>				
13. ASME Section XI Code			Lation 1975 White A	<u> </u>
14. Preservice Inspection Re		☐ YES ☒ NO		
Initial Mug Date 5			,	. Tananasian
•	_	, include a step in the W.O	e	١. /
15. ASME Section XI Pressu	•	XES Schanged	we tokon Ramakant l	Indap Votalos
Initial May Date 5	-ZDD5 If required	, include a step in the W.O	. for ISI & ANII Inspec	ction. SVP
Initial Page Date 5	-20-05 16. Includ	e a step in the W.O. to con	aplete NIS-2 Form price	or to releasing the
//	componen	<b>.</b>		
Initial Duly Date 5	-ZD-P5 17. Includ	e a step in the W.O. to reco	ord below all applicable	e numbers for repaired or
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
			H2	MR 980239
bonnet studs	APN 43115009	n/a		
bonnet nuts 14 EA.  Bontet Nots GEA.	APN 43126009	l N/a	HL# BDY	MR 979836
BOMIET NOTS GEA.	APN 43126009	N/A	A 4	MR 971836
			<u> </u>	
				_
			<u></u>	•
18. Planner _ Don Dest	Toult 5-2	0-05 Printed Name:	David Goodlet	
Signature	D	ate 4 5/27/05		
19. ISI Ramakant P	Today per telon	Printed Name:	RAVITERAS INDA	P Ing Entry
Signature	D	ate Timed Traine.		
00 ANT 7h /+	5-31	Defined Manage	R.C. HOGSTROM	
20. ANII Signature		Printed Name:	K-CE - 78081KOF	<u> </u>
PV216-00NI (8-61)				7:DP-92Z17 Rev 9

POR TULCON U/R. INTAP WD. WAS RELEASED W/O ANTI AS ALLOWED BY
1200-47717 AMORDIX A. ... 10-1/ 1/28/05

#### 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: 05/20/2005 P. O. Box 53999, Phoenix Arizona 85072-2034 1 of 2 Sheet: 2. Plant: Palo Verde Nuclear Generating Station Unit: 3 5801 South Wintersburg Road., Tonopah, Arizona 85354-7529 Work Order Number 2797958 3. Work Performed by: Arizona Public Service Type of Code Stamp None Authorization No. N/A Expiration Date N/A 4. Identification of System: CH: Chemical and Volumn Control System 5. (a) Applicable Construction Code ASME Section III NC, Class 2 1974 Edition, Winter 1975 Addenda, (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1992 Edition, 1992 Addenda 6. Identification of Components Repaired or Replaced and Replacement Components Name of Name of Manufacturer National Other Repaired or Year **ASME** Identification Item Manufacture Serial No. Board Built Replacement Code No. Stamped (Yes or No) n/a n/a n/a 3PCHNV363 2005 bonnet studs Replacement NO bonnét nuts 3PCHNV363 2005 n/a n/a n/a Replacement NO 7. Description of Work: Disassemble valve for leaking bonnet gasket. Replace bonnet studs & nuts. Nominal Operating Pressure 8. Test Conducted: Hydrostatic Pneumatic Exempt 🖂 N-416-2 Other Pressure Test Temperature

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# 2797958 for valve 3PCHNV363. 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.
Pre-Pressured Test WO Review – ISI
TICTICSSUICU TOSC WO REVIEW - 151
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.
The Code Combal Cours
Type Code Symbol Stamp
Certificate of Authorization No. N/A Expiration Date: N/A
Signed:
XOwner of Owner's Designee, Title
CEDMINICA THE OF INCEDIFICE INCDECTION
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: <u>NB 9685 "N" "I" AZ264</u>
National Board, State, Province, and Endorsements  Inspectors Signature
Date:

	ASME SECTION	N XI – REPAIR / REI	PLACEMENT	
			P	age of
1. Component ID 3PCHNV	<u>'818</u>			
2 Item Description: 1-1/2"	Borg Warner 1586# Y T	ype Manual Globe Valve	•	•
3. N-5 Data Package Number		4. W.O. Number	: <u>2799480</u>	44
5. Original Construction Co.	de Edition: 1974 Edition	n. Winter 1975 Addenda		<u> </u>
6. Original Installation Code				A
7. Work Description: <u>Disa</u>	ssemble valve to correct:	seat leakage. Body to bonne	et seal weld will need to	be removed and later
8. ISI Flaw_	•	NDE Method of Flaw I	Detection:	
		Report Number:		•
9. Evaluation of the suitabili	ty of this work as per the	requirements of IWA - 415	0:	
Not a failure of the ASM	E pressure boundary. Sea	I weld is required to be rem	noved to allow for valve	disassembly.
			. 4 ·	4:
1	,		. ,	•
10. Repair/Replacement Wor	rk Organization: Acizon	a Public Service	•	1
11. Replacement Items Cons		· — - — · — · — · —	1974 Edition 1975 Wint	er Addenda
12. Repair/Replacement Acti				•
13. ASME Section XI Code/	- ·	and 1992 Addenda		
14. Preservice Inspection Rec		☐ YES ☒ NO	<b>.</b>	
Initial Dng Date 1	-27-05 If require	d, include a step in the W.C	O. to perform Preservice	Inspection
15. ASME Section XI Pressu	re Test Required:	☐ YES 🖾 N	0	
Initial Ping Date 1	1-17-05 If require	d, include a step in the W.C	O. for ISI & ANII Inspe	ction.
		de a step in the W.O. to co		
Initial Drong Date 1	compone		impieto 1415-2 1 orai pric	n to receasing the
	17 Inclu	de a step in the W.O. to rec	oord below all applicable	A numbers for rensised O
Initial <u>D746</u> Date <u>//</u>	replacement		ord below an applicable	e numbers for repaired of
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No
1-1/2" Borg Warner Valve	N/A	67166	N/A	∍N/A
Body/Bonnet Seal Weld	N/A	N/A	N/A	N/A
		•		
	<del></del>	<del> </del>		+
	~ ^^/	<u> </u>	<del></del>	<del></del>
8. Planner Rank Z	1 Sound 1	1-27-05 Printed Name	: David Goodlet	
Signature		Date		
	minerie "	bolor	Alan Mara	
9. ISI <u>Clan</u> Signature		28/05 Printed Name:	Alan Morre	Log Entry

20. ANII 75 france: N-24-05 Printed Name: R.C. Hacestrone

Signature Date

PYZIGORN (8-81)

73DF42Z17 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: Arizo	ona Public Service	Company, et. al.			Date: <u>11</u>	<u>/27/2005</u>		
<u>P. O.</u>	Box 53999, Phoen	ix Arizona 85072-20	.034	·	Sheet:	1 of 2		
2. Plant: Palo	Verde Nuclear Gen	erating Station			Unit: 3	w		
5801.	South Wintersburg	Road., Tonopah, A	rizona 853	<u>54-7529</u>	Work Ord	ler Numbe	2799480	
3. Work Performe	ed by: Arizona Public	ic Service			Type of C	Code Stamp	P None	* *
	•			•	Authoriza	ation No.	<u>N/A</u>	
1		. "			Expiration	n Date <u>N/</u>	<u>'A</u>	• . •
4. Identification o	of System: CH: Che	emical & Volumn Con	atrol System					
5. (a) Applicable	Construction Code	ASME Section III NO	Class 2	<u>1974</u> Editic	on, Winter 1	<u>975</u> Adde	nda, AL Cod	e Case
•		XI Utilized for Repair						
6. Identification o	f Components Repai	ired or Replaced and I	Replacement	t Compone	nts	•	·	
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Ot Identii	ther fication	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)
Valve	Borg Warner	67166	N/A	3PCHNV	7818	1981	Repaired	YES
Seal Weld	N/A	N/A	N/A	3PCHNV	′818	2006	Replacement	NO
					·			
							#5.5 1.600	
	·.							
8. Test Conducted:	: Hydrostatic	Pressure Pressure psi	] Nomi		e. Removeding Pressure	<b>:</b> □ I	Exempt   or	
inches, (2) info	ormation in items 1	form of lists, sketche thru 6 on this reported at the to of this fo	rt is included	ngs may b d on each	e used pro- sheet, and	vided (1) (3) each	size is 8 ½ X I sheet is numbe	11 ered

### FORM NIS-2 (Back)

9. Remarks: Per wo# 2799480 on valve 3PCHNV818 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.
Pre-Pressured Test WO Review - ISI Judoblut
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: Just Solut SR_ISI ENGINEER Date: 4/17/06  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
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" "1" AZ264  National Board, State, Province, and Endorsements
Date:

	ASME SECTION	XI - REPAIR / REI	PLACEMENT	
			P	ageof
1. Component ID 3JRCEPS	SV0200			
2 Item Description: Pressu	,			
3. N-5 Data Package Numbe		4. W.O. Number	: <u>2805436</u>	
5. Original Construction Co	* *			
6. Original Installation Code			•	
7. Work Description: Rep	lace the Pressurizer safety re	· · · · · · · · · · · · · · · · · ·		
8. 🗌 ISI Flaw		NDE Method of Flaw I Report Number:	Detection:	•
9. Evaluation of the suitabili	ty of this work as ner the re-	•	′∩•. ·	
	pressure boundry. Valve is t			
		Coming Totaless to support V	endor testing.	
Replacement valve is SN	1 D3-V8014.	•		
10. Repair/Replacement Wor	ek Organization. Azizona l	Dublic Carries		
11. Replacement Items Cons	-		1974 Edition 1975 Sum	mer Addenda
12. Repair/Replacement Acti	•			
13. ASME Section XI Code/		d 1992 Addenda		
14. Preservice Inspection Rec		☐ YES 🖾 NO		
As 1 2	1 1 .	_	•	- <b>T</b>
Initial 170 Date 3/ 15. ASME Section XI Pressu	<del></del> . • ·	, include a step in the W.C	•	e inspection
4		<del>-</del> .		•
Initial 10 Date 3	23/06 If required,	, include a step in the W.C	J. for ISI & ANII Inspe	ction.
Initial M Date 3	23/06 16. Include component	e a step in the W.O. to con	mplete NIS-2 Form price	or to releasing the
		•		•
Initial Bo Date 3	17. Include replacemen		ord below all applicable	e numbers for repaired or
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
3JRCEPSV0200	N/A	BS-08614	N/A	N/A
	·			
				# *
			<del></del>	<del></del>
		.*		,
		<u> </u>		
18. Planner Blighature	1 3/23/0		: Barbara Vidal	
RREMAN	D 3/21/2	6	P.P. Tunas	
19. ISI NA MOQ				
Signature	) / Da	Printed Name:	S. C. MARCH	P Log Entry RPP
24/+		ite		
Signature 20. ANII 24 Signature	3-24-00	Le Printed Name:	R.G. Houster	

Owner: Ari	izona Public Service	Company, et. al.		D	ate: <u>03/</u>	16/2006	•	
<u>P. C</u>	D. Box 53999, Phoen	iix Arizona 85072-2	<u>2034</u>	Si	heet:	1 of 2		
2. Plant: Palo	o Verde Nuclear Ger	nerating Station		ប	nit: <u>3</u>			
<u>580</u>	1 South Wintersburg	Road., Tonopah, A	Arizona 853	<u>54-7529</u> W	ork Ord	er Numb	er <u>2805436</u>	
3. Work Perfor	med by: <u>Arizona Publ</u>	ic Service		T	ype of Co	ode Stan	p <u>None</u>	•
•	•	٠.	,	- A	uthorizat	ion No.	<u>N/A</u>	
•			•	` E2	piration	Date N	<u> </u>	
4. Identification	n of System: <u>RC</u>							
5. (a) Applicab	ole Construction Code	ASME Section III NI	3. Class 1	1974 Edition, <u>S</u>	Summer	1 <u>975</u> Ad	denda, <u>N/A</u> Code	e Case
(b) Applicat	ble Edition of Section	XI Utilized for Repair	rs or Replace	ments: 1992]	Edition,	1992 A	<u>ddenda</u>	
6. Identification	n of Components Repa	ired or Replaced and	Replacement	t Components			•	
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identifica		Year Built	Repaired or Replacement	ASME Code Stamped (Yes or
PSV	Dresser	BS-08614	N/A	3JRCEPSV0	200	1981	Replacement	No) YES
PSV /	Dresser	BY-14537	N/A	3JRCEPSV0		1991	Replaced	YES
	Diessei	B1-14337		33.021.0.0	-		Replaced	113
						•		·
<u>.</u>	್ರತ್ಯ						₽	
·				·				
							<u>                                     </u>	
7. Description of	f Work: Valve being	replaced as part of	routine ma	intenance.	•	٠.		
8. Test Conducte	ed: Hydrostatic	Pneumatic [	] Nomi	nal Operating l	Pressure		Exempt 🔲	•
N	N-416-2 Other	Pressure 22130 psi		T	est Temp	perature	⇒ot of	
		1						
	plemental sheets in f formation in items 1			-	_			

FORM 1	NIS-2 (Back)
9. Remarks: WO# 2805436. Valve being replaced as part of	of routine maintenance. SN BS-08614
20T ≈ 565.4F	
, p	
- 130 Hand	
Pre-Pressured Test WO Review – ISI	
ANII 1/2 4-2000	
Certificate	e of Compliance
Certment	, or compliance
•	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
Certificate of Authority of Two.	Expiration Date.
Signed:	Date: _5//6/OC
Owner or Owner's Designee, Title	l l
i	
11	SERVICE INSPECTION
Inspectors and the State or Province of Arizona and e inspected the components described in this Owner's	
	st of my knowledge and belief, the Owner has performed ribed in this Owner's Report in accordance with the
requirements of the ASME Code, Section XI.	toed in this Owner's Report in accordance with the
concerning the examinations and corrective measures	his employer makes any warranty, expressed or implied, a described in this Owner's report. Furthermore, neither manner for any personal injury or property damage or a anspection.
Inspectors Signature	Commissions: NB 9685 "N" "1" AZ264  National Board, State, Province, and Endorsements
Date: 5-10-06	

		,			
			Pa	ageof	<u>l</u>
1. Component ID 3JRCEP	SV0201				
2 Item Description: Press	urizer Safety Relief Vaive				
3. N-5 Data Package Numb	er: 3RC03-3	4. W.O. Number	r: <u>2805437</u>		
5. Original Construction Co	ode Edition: 1974 Edition	, Summer 1975 Addenda		•	
6. Original Installation Cod	le Edition: 1974 Edition.	Winter 1975 Addenda	•	•	
7. Work Description: Re	place the Pressurizer safety	relief valve with a recondi	itioned spare.	•	
8. 🗌 ISI Flaw	•	NDE Method of Flaw	Detection:		•
	•	Report Number:			
9. Evaluation of the suitabi	lity of this work as per the	requirements of IWA - 415	50:		
No failure of ASME III	pressure boundry. Valve is	s being rotated to support v	vendor testing.		
Replacement valve is S	•				•
And the state of t					
			:		
		D 111 0	•		
10. Repair/Replacement Wo	•		1074 T.P.C. 1075 D.		
11. Replacement Items Con	•			<del></del>	
12. Repair/Replacement Ac	~		4 Edition 1975 Winter A	<u>adenda</u>	
13. ASME Section XI Code	-	and 1992 Addenda			
14. Preservice Inspection R	equired:	☐ YES	0	•	
	- / / / /		*	•	
Initial YOU Date	3/3/06 If require	ed, include a step in the W.	O. to perform Preservice	Inspection	
Initial YOU Date 3	<i></i>	ed, include a step in the W.	<del>-</del>	Inspection	
Initial YOU Date 3	ure Test Required:	⊠ YES □ N	O	•	
	ure Test Required:		O	•	•
15. ASME Section XI Press Initial Date D	Solution If required:  3/3/06 If required:  16. Inclu	YES No. N. N. N. N. N. N. N. N. N. N. N. N. N.	IO O. for ISI & ANII Inspec	ction.	e
15. ASME Section XI Press	ure Test Required:	YES No. N. N. N. N. N. N. N. N. N. N. N. N. N.	IO O. for ISI & ANII Inspec	ction.	e
Initial By Date Initial Date In	Solution Processing Services   16. Included   16. I	YES No. 1 No	O. for ISI & ANII Inspections on the NIS-2 Form prices	ction. or to releasing th	
15. ASME Section XI Press Initial Date D	Solution Processing Services   16. Included   16. I	YES No. No. No. No. No. No. No. No. No. No.	O. for ISI & ANII Inspections on the NIS-2 Form prices	ction. or to releasing th	
Initial By Date Initial Date In	Space Test Required:  3/23/06 If required  16. Inclusion compone  17. Inclusion	YES No. No. No. No. No. No. No. No. No. No.	O. for ISI & ANII Inspections on the NIS-2 Form prices	ction. or to releasing th	paired or
Initial By Date Initial Date Initial Date Initial Date Initial Date Initial Date Initial Date Initial Date Initial Initial Date Initial Initial Initial Date Initial I	Part No.	YES No.	O. for ISI & ANII Inspectomplete NIS-2 Form price cord below all applicable Heat No.	or to releasing the numbers for re	paired or
Initial By Date Initial Date Initial Date Initial Date Initial Date Initial Initial Date Initial Date Initial	Spanob If required:  3/23/06 If required:  3/23/06 16. Inclusion componer  3/23/06 17. Inclusion replacement	YES No. No. No. No. No. No. No. No. No. No.	O. for ISI & ANII Inspectomplete NIS-2 Form price cord below all applicable	or to releasing the numbers for re  MR/PO/N	paired or
Initial By Date Initial Date Initial Date Initial Date Initial Date Initial Date Initial Date Initial Date Initial Initial Date Initial Initial Initial Date Initial I	Part No.	YES No.	O. for ISI & ANII Inspectomplete NIS-2 Form price cord below all applicable Heat No.	or to releasing the numbers for re	paired or
Initial BV Date Initial Date Initial Date Initial Date Initial Date Initial Date Initial Date Initial Initial Date Initial Initial Initial Initial Date Initial Initia	Part No.	YES No.	O. for ISI & ANII Inspectomplete NIS-2 Form price cord below all applicable Heat No.	or to releasing the numbers for re  MR/PO/N	paired or
Initial BV Date Initial Date Initial Date Initial Date Initial Date Initial Date Initial Date Initial Initial Date Initial Initial Initial Initial Date Initial Initia	Part No.	YES No.	O. for ISI & ANII Inspectomplete NIS-2 Form price cord below all applicable Heat No.	or to releasing the numbers for re  MR/PO/N	paired or
Initial BV Date Initial Date Initial Date Initial Date Initial Date Initial Date Initial Date Initial Initial Date Initial Initial Initial Initial Date Initial Initia	Part No.	YES No.	O. for ISI & ANII Inspectomplete NIS-2 Form price cord below all applicable Heat No.	or to releasing the numbers for re  MR/PO/N	paired or
Initial BV Date Initial Date Initial Date Initial Date Initial Date Initial Date Initial Date Initial Initial Date Initial Initial Initial Initial Date Initial Initia	Part No.	YES No.	O. for ISI & ANII Inspectomplete NIS-2 Form price cord below all applicable Heat No.	or to releasing the numbers for re  MR/PO/N	paired or
Initial BV Date Initial Date Initial Date Initial Date Initial Date Initial Date Initial Date Initial Initial Date Initial Initial Initial Initial Date Initial Initia	Part No.	YES No.	O. for ISI & ANII Inspectomplete NIS-2 Form price cord below all applicable Heat No.	or to releasing the numbers for re  MR/PO/N	paired or
Initial BV Date Initial Date Initial Date Initial Date Initial Date Initial Date Initial Initial Date Initial	Part No.	YES No.	O. for ISI & ANII Inspectomplete NIS-2 Form price cord below all applicable Heat No.	or to releasing the numbers for re  MR/PO/N	paired or
Initial Date Initial Date Initial Date Initial Date Initial Date Initial Initial Date Initial	Part No.	YES No.  No. od, include a step in the W.o. to cont.  Inde a step in the W.O. to resent items.  Serial No.  BS-08565	O. for ISI & ANII Inspectomplete NIS-2 Form price cord below all applicable Heat No.  N/A	or to releasing the numbers for re  MR/PO/N	paired or
Initial BV Date Initial BV Dat	Part No.	YES No.  No. od, include a step in the W.o. to cont.  Inde a step in the W.O. to resent items.  Serial No.  BS-08565	O. for ISI & ANII Inspectomplete NIS-2 Form price cord below all applicable Heat No.	or to releasing the numbers for re  MR/PO/N	paired or
Initial Date Initial Date Initial Date Initial Date Initial Date Initial Initial Date Initial	Part No.	YES No.  Ind., include a step in the W.o. to cont.  Inde a step in the W.O. to recent items.  Serial No.  BS-08565  Printed Name	O. for ISI & ANII Inspectomplete NIS-2 Form price cord below all applicable Heat No.  N/A  Price: Barbara Vidal	mr/PO/N/A	paired or
Initial BV Date Initial BV Dat	Part No.	YES No.  Ind., include a step in the W.o. to cont.  Inde a step in the W.O. to recent items.  Serial No.  BS-08565  Printed Name	O. for ISI & ANII Inspectomplete NIS-2 Form price cord below all applicable Heat No.  N/A  Price: Barbara Vidal	mr/PO/N/A	paired or
Initial Date Initial Date Initial Date Initial Date Initial Date Initial Initial Date Initial	Part No.  N/A  Span 16. Included to the span 17. Included to the span 18. Included the span 18. Included the span 19. Included the s	YES No.  Indeed, include a step in the W.o. to cont.  Indeed a step in the W.O. to recent items.  Serial No.  BS-08565  Printed Name Date  Printed Name Date	O. for ISI & ANII Inspectomplete NIS-2 Form price cord below all applicable Heat No.  N/A  Barbara Vidal	or to releasing the numbers for re  MR/PO/ N/A  Log Entry	wo No.
Initial Date Initial Date Initial Date Initial Date Initial Date Initial Date Initial Initial Date Initial Ini	Part No.  N/A  Sure Test Required:  16. Inclusion of the sure of t	YES No.  Indeed, include a step in the W.o. to cont.  Indeed a step in the W.O. to recent items.  Serial No.  BS-08565  Printed Name Date  Printed Name Date	O. for ISI & ANII Inspectomplete NIS-2 Form price cord below all applicable Heat No.  N/A  Barbara Vidal	or to releasing the numbers for re  MR/PO/ N/A  Log Entry	paired or
Initial Date Initial Date Initial Date Initial Date Initial Date Initial Initial Date Initial	Part No.  N/A  3/3/06  If require  16. Inclu compone  17. Inclu replacement  Part No.  N/A  3/23/ 3/24	YES No.  Indeed, include a step in the W.o. to cont.  Indeed a step in the W.O. to recent items.  Serial No.  BS-08565  Printed Name Date  Printed Name Date	O. for ISI & ANII Inspectomplete NIS-2 Form price cord below all applicable Heat No.  N/A  Price: Barbara Vidal	or to releasing the numbers for re  MR/PO/ N/A  Log Entry	paired or

Œ

سيسبب المساحد		<del>سنسون سنن</del>			_		
1. Owner: Arizo	ona Public Service	Company, et. al.		Date: <u>0</u> ?	3/1 <i>6/</i> 2006	4.	
<u>P. O. </u>	Box 53999, Phoen	nix Arizona 85072-2	<u> 2034</u>	Sheet:	1 of 2		
2. Plant: Palo	Verde Nuclear Gen	nerating Station		Unit: <u>3</u>	₩		·
5801_	South Wintersburg	g Road., Tonopah, A	<u>vrizona 853</u>	54-7529 Work Ore	der Numb	per <u>2805437</u>	
3. Work Performe	ed by: <u>Arizona Publi</u>	ic Service		Type of C	Code Stam	ip <u>None</u>	
			•	Authoriza	ation No.	N/A	
•	S. A <sub>1</sub>		-	Expiration	n Date <u>N</u>	<u>I/A</u>	
4. Identification o	f System: RC	. •				,	
5. (a) Applicable	Construction Code	ASME Section III NE	3. Class 1	1974 Edition, Summer	<u>· 1975</u> Add	denda, <u>N/A</u> Code	e Case
(b) Applicable	Edition of Section J	KI Utilized for Repair	s or Replace	ements: 1992 Edition	<u>, 1992 A</u>	ddenda	
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)
PSV	Dresser	BS-08565	N/A	3JRCEPSV0201	1978	Replacement	YES
PSV	Dresser	BQ-07679	N/A	3JRCEPSV0201	1978	Replaced	YES
			·			÷.	
						5-4	٠
			:				
:							
3. Test Conducted:	Hydrostatic	Pressure 2020 psi	] Nomin	intenance.  Inal Operating Pressure  Test Tem		Exempt [	
inches, (2) infor	rmation in items 1		rt is included	ngs may be used prov d on each sheet, and			

	FORM NIS	-2 (Back)		
9. Remarks: <u>WO# 2805437</u> . Valve bein	g replaced as part of rout	ine maintenance. SN BS-0	8 <u>565</u>	
20t ≈ 565°F	J.			•
Pre-Pressured Test WO Review – ISI	الم لاب ١٠١٠			
ANIL	4 4-24-06	·		·
	Certificate of (	-	<del></del>	
We certify that the statements made ASME Code, Section XI.	in the report are correct	ct and this replacement of	conforms to the ru	les of the
Type Code Symbol Stamp	N/A	·	<del> </del>	
Certificate of Authorization No.	N/A	Expiration Da	te: <u>N/A</u>	<del></del> .
Signed: Owner or Ow	ner's Designee, Title	. Da	te: <u>5/10/0C</u>	
	<b>.</b> .	·		
CEDTIE	TATE OF INCED	VICE INSPECT	ON	

CERTIFICATE OF IN	SERVICE INSPECTION
Inspectors and the State or Province of <u>Arizona</u> and inspected the components described in this Owner's to, and state that to the best	ed by the National Board of boiler and Pressure Vessel employed by <u>HSB CT</u> of <u>Hartford, Connecticut</u> , have report during the period of
requirements of the ASME Code, Section AL	
concerning the examinations and corrective measures	his employer makes any warranty, expressed or implied, a described in this Owner's report. Furthermore, neither manner for any personal injury or property damage or a anspection.
Spectors Signature	Commissions: NB 9685 "N" "I" AZ264  National Board, State, Province, and Endorsements
Date: 5-10-06	_

	ASME SECTION	IXI – REPAIR / REI		age of
1. Component ID 3JRCEP	SV0202		·····	
2 Item Description: Press				
3. N-5 Data Package Number		4. W.O. Number	: <u>2805438</u>	4.
5. Original Construction Co	de Edition. 1974 Edition.	Summer 1975 Addenda		
6. Original Installation Cod			•	•
7. Work Description: Reg	lace the Pressurizer safety	relief valve with a recondi	tioned spare.	•.
8. 🔲 ISI Flaw	•	NDE Method of Flaw I	Detection:	
	•	Report Number:		
9. Evaluation of the suitabil	ity of this work as per the re	equirements of IWA - 415	0:	
No failure of ASME III	pressure boundry. Valve is	being rotated to support ve	endor testing.	
Replacement valve is SI	VBS-08616.	•		
		: •		er er er er er er er er er er er er er e
		•	•	***
10. Repair/Replacement Wo	rk Organization: Arizona	Public Service		,
11. Replacement Items Con			1974 Edition 1975 Sumi	mer Addenda
12. Repair/Replacement Act	•			
13. ASME Section XI Code		nd 1992 Addenda		· · · · · · · · · · · · · · · · · · ·
14. Preservice Inspection Re	quired:	☐ YES 🖾 NO		
Del 3	1-11	_		
Initial / OV Date	16 required	i, include a step in the W.C	D. to perform Preservice	Inspection
15. ASME Section XI Press	re Test Required:		0	
Initial By Date 3	23/06 If required	i, include a step in the W.C	O. for ISI & ANII Inspec	ction.
marian July Date =	- / / Includ	de a step in the W.O. to con	mplete NIS-2 Form prio	or to releasing the
Initial Date	5/23/06 componen		·	
11 m.1 -	17. Includ	le a step in the W.O. to rec	ord below all applicable	numbers for renaised or
Initial Date	123/06 replacement		ora boto wall approach	o mannoord for repaired or
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No
3JRCEPSV0202	N/A	BS-08616	N/A	N/A
-Æ				
	<u> </u>			
	•	<u> </u>		
18. Planner Bui	Del 3/23	206 Printed Name:	: Barbara Vidal	
10 IST Retaida	D 3/24/	ln2	Para	Over Re
19. ISI 0 0 000 Signature	*	Printed Name:	T. L. MADA	P Log Entry CP
. 1	,			
20 ANTE PA Southern			a . /	·.
20. ANII ~ 47	3-24	Printed Name:	R.C. HOLESTR	.om

1. Owner: Arizo	na Public Service	Company, et. al.			Date: <u>03</u>	/16/2006	·	
<u>P. O. 1</u>	Box 53999, Phoen	ix Arizona 85072-2	034		Sheet:	<u>1</u> of <u>2</u>	• • • • • • • • • • • • • • • • • • • •	
2. Plant: Palo V	Verde Nuclear Gen	erating Station		•	Unit: 3		•.	
5801_9	South Wintersburg	Road., Tonopah, A	rizona 853	54-7529	Work Ord	ier Numbe	er <u>2805438</u>	
3. Work Performe	ed by: Arizona Publi	c Service	,·		Type of C	ode Stam	p <u>None</u>	
			, ·	•	Authoriza	tion No.	<u>N/A</u>	
:	•		•		Expiration	n Date N	<u>/A</u>	•
4. Identification o	f System: RC	•						-
5. (a) Applicable	Construction Code A	ASME Section III NE	J. Class 1	1974 Editio	on, <u>Summer</u>	<u>1975</u> Add	ienda, <u>N/A</u> Code	e Case
(b) Applicable	Edition of Section 2	KI Utilized for Repair	s or Replace	ments: <u>19</u>	92 Edition	<u>, 1992 A</u>	<u>ldenda</u>	
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)
PSV	Dresser	BS-08616	N/A	3JRCEPS	V0202	1981	Replacement	YES
PSV	Dresser	BQ-07678	N/A	3JRCEPS	V0202	1978	Replaced	YES
		·						·
		·			· ·	•	./s	
Ň				-		÷	Jan.	
			,			-		
7. Description of V	Vork: <u>Valve being</u>	replaced as part of	routine ma	intenance.		· · · · · · · · · · · · · · · · · · ·	<u> </u>	
8. Test Conducted:	Hydrostatic	Pneumatic [	] Nomi	nal Operati	ng Pressure		Exempt	
N-4	16-2  Other	Pressure >2150 psi	•		Test Tem	perature	~0F	
inches, (2) info	rmation in items 1	orm of lists, sketche thru 6 on this repor	t is include					

FORM NI	S-2 (Back)
9. Remarks: WO# 2805438. Valve being replaced as part of rou	tine maintenance. SN BS-08616
NOT & SUS'F	
Pre-Pressured Test WO Review – ISI	
ANII 4 427 00	
Certificate of	Compliance
We certify that the statements made in the report are comaSME Code, Section XI.	ect and this replacement conforms to the rules of the
Type Code Symbol StampN/A	
Certificate of Authorization NoN/A	Expiration Date: N/A  Date: (/0/0)
Owner or Owner's Designee, Title	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
CERTIFICATE OF INSE	RVICE INSPECTION
I, the undersigned, holding a valid commission issued by Inspectors and the State or Province of Arizona and empliinspected the components described in this Owner's report o, and state that to the best of examinations and taken corrective measures described requirements of the ASME Code, Section XI.	oyed by HSB CT of Hartford, Connecticut, have ort during the period of
By signing this certificate, neither the Inspector nor his enconcerning the examinations and corrective measures desthe Inspector nor his employer shall be liable in any many loss of any kind arising from or connected with this inspec	cribed in this Owner's report. Furthermore, neither ner for any personal injury or property damage or a
Inspectors Signature	Ommissions: NB 9685 "N" "I" AZ264 National Board, State, Province, and Endorsements
Date: 5-10-06	

			P.	ageof
1. Component ID 3JRCE	PSV0203			-6°
	ssurizer Safety Relief Valve			
3. N-5 Data Package Num		4. W.O. Number:	: 2805439	· · ·
	Code Edition: 1974 Edition			
	ode Edition: 1974 Edition.			
7. Work Description: R	eplace the Pressurizer safety	relief valve with a recondit	tioned sparé.	
8. ISI Flaw		NDE Method of Flaw I	Detection:	
TO COMPANY AND ADDRESS OF THE PARTY OF THE P	•	Report Number:		
9. Evaluation of the suital	oility of this work as per the	requirements of IWA - 415	O:	. •
No failure of ASME I	II pressure boundry. Valve is	s being rotated to support ve	endor testing.	
Replacement valve is	SN BS-08567.			,
1 ,	•	,	: .	
<ul><li>12. Repair/Replacement A</li><li>13. ASME Section XI Co.</li><li>14. Preservice Inspection I</li></ul>	Required:	dition: Sec. III Cl 1, 1974 and 1992 Addenda  YES  NO	Edition 1975 Winter A	Addenda
15. ASME Section XI President Initial Date 2	ssure Test Required:  3/06 If require  16. Inclu	d, include a step in the W.C  XES  No  d, include a step in the W.C  de a step in the W.O. to connt.	O. for ISI & ANII Inspe	ction.
Initial Date Initial Date Initial Date Initial Date	ssure Test Required:  3/03/06  If require  16. Inclu compone  17. Inclu replacement	▼ES □ NO  d, include a step in the W.O.  de a step in the W.O. to connt.  de a step in the W.O. to recent items.   ■ The Step in the W.O.  The Step	O. for ISI & ANII Inspendent of the NIS-2 Form price or or or or or or or or or or or or or	ction. or to releasing the e numbers for repaired or
Initial By Date Initial Date Item ID	ssure Test Required:  3/03/06  If require  16. Inclu compone  17. Inclu	MYES □ NO.  Include a step in the W.O. to connt.  Include a step in the W.O. to recent items.  Serial No.	O. for ISI & ANII Inspendent of the NIS-2 Form price or or or or or or or or or or or or or	ction. or to releasing the
Initial By Date Initial Date Item ID	ssure Test Required:  3/03/06  If require  16. Inclu compone  17. Inclu replacement	▼ES □ NO  d, include a step in the W.O.  de a step in the W.O. to connt.  de a step in the W.O. to recent items.   ■ The Step in the W.O.  The Step	O. for ISI & ANII Inspendent of the NIS-2 Form price or or or or or or or or or or or or or	or to releasing the e numbers for repaired or MR/PO/WO No N/A
Initial Date Initial Date Initial Date Initial Date Initial Date Initial Date Initial Date Initial Date Initial Initial Date Initial Da	ssure Test Required:  3/23/06  If required:  16. Inclusion compone.  17. Inclusion replacement.  Part No.	MYES □ NO.  Include a step in the W.O. to connt.  Include a step in the W.O. to recent items.  Serial No.	O. for ISI & ANII Inspendent of the NIS-2 Form price or or or or or or or or or or or or or	or to releasing the e numbers for repaired or MR/PO/WO No
Initial Date Initial Date Initial Date Item ID  3JRCEPSV0203	ssure Test Required:  3/23/06  If required:  16. Inclu compone:  17. Inclu replacement	MYES □ NO.  Include a step in the W.O. to connt.  Include a step in the W.O. to recent items.  Serial No.	O. for ISI & ANII Inspendent of the NIS-2 Form price or or or or or or or or or or or or or	or to releasing the e numbers for repaired or MR/PO/WO No N/A
Initial Date Initial Date Initial Date Initial Date Initial Date Initial Date Initial Date Initial Initial Date Initial Date Initial Initial Date Initial Date Initial Initial Initial Date Initial In	ssure Test Required:  3/23/06  If required:  16. Inclu compone:  17. Inclu replacement	MYES □ NO.  Include a step in the W.O. to connt.  Include a step in the W.O. to recent items.  Serial No.	O. for ISI & ANII Inspendent of the NIS-2 Form price or or or or or or or or or or or or or	or to releasing the e numbers for repaired or MR/PO/WO No N/A
Initial Date Initial Date Initial Date Initial Date Initial Date Initial Date Initial Date Initial Initial Date Initial Date Initial Initial Date Initial Date Initial Initial Initial Date Initial In	ssure Test Required:  3/23/06  If required:  16. Inclu compone:  17. Inclu replacement	MYES □ NO.  Include a step in the W.O. to connt.  Include a step in the W.O. to recent items.  Serial No.	O. for ISI & ANII Inspendent of the NIS-2 Form price or or or or or or or or or or or or or	or to releasing the e numbers for repaired or MR/PO/WO No N/A
Initial Date Initial Date Initial Date Initial Date Initial Date Initial Date Initial Date Initial Initial Date Initial Date Initial Initial Date Initial Date Initial Initial Initial Date Initial In	ssure Test Required:  3/23/06  If required:  16. Inclu compone:  17. Inclu replacement	MYES □ NO.  Include a step in the W.O. to connt.  Include a step in the W.O. to recent items.  Serial No.	O. for ISI & ANII Inspendent of the NIS-2 Form price or or or or or or or or or or or or or	or to releasing the e numbers for repaired or MR/PO/WO No N/A
Initial Date Initial Date Initial Date Initial Date Initial Date Initial Date Initial Date Initial Initial Date Initial Date Initial Initial Date Initial Date Initial Initial Date Initial Initial Date Initial Date Initial Initial Date Init	ssure Test Required:  3/23/06  If required:  16. Inclu compone:  17. Inclu replacement	MYES □ NO.  Include a step in the W.O. to connt.  Include a step in the W.O. to recent items.    Serial No.	O. for ISI & ANII Inspendent of the NIS-2 Form price or or or or or or or or or or or or or	or to releasing the e numbers for repaired or MR/PO/WO No N/A
Initial Date Initial Date Initial Date Initial Date Initial Date Initial Date Initial Date Initial Initial Date Initial Da	ssure Test Required:  3/23/06  If required:  16. Inclu compone:  17. Inclu replacement	d, include a step in the W.O. to connt.  de a step in the W.O. to recent items.  Serial No.  BS-08567  Printed Name:	O. for ISI & ANII Inspendent of the NIS-2 Form price or or or or or or or or or or or or or	or to releasing the e numbers for repaired or MR/PO/WO No N/A
Initial BV Date Initial Date Initial Date Initial Date Initial Date Initial Date Initial Date Initial Initial Date Initial Initial Date Initial Initial Date Initial Initial Date Initial Date Initial Initial Date Initial In	ssure Test Required:  3/23/06  16. Inclusion compone:  3/23/06  17. Inclusion replacement  Part No.  N/A  3/24  3/24	d, include a step in the W.O. to connt.  de a step in the W.O. to recent items.  Serial No.  BS-08567  Printed Name: Date  Printed Name:	D. for ISI & ANII Inspermplete NIS-2 Form price ord below all applicable Heat No.  N/A  Barbara Vidal	or to releasing the e numbers for repaired or MR/PO/WO No N/A

L					<u> 19. se a se</u>			1 100
1. Owner: Arizo	ona Public Service	Company, et. al.			Date: <u>0</u> ?	<u>3/16/2006</u>	,	
<u>P. O.</u>	Box 53999, Phoer	nix Arizona 85072-2	<u> 2034</u>		Sheet:	1 of '2		
2. Plant: Palo	Verde Nuclear Gen	nerating Station			Unit: 3			
5801	South Wintersburg	g Road., Tonopah, A	Arizona 853	<u>54-7529</u>	Work Ord	der Numbe	per 2805439	
3. Work Perform	ed by: <u>Arizona Publi</u>	ic Service		·	Type of C	Code Stam	ip <u>None</u>	•
-			<i>i</i>	•	Authoriza	ation No.	<u>N/A</u>	
4. Identification o	of System: <u>RC</u>				Expiration	n Date <u>N</u>	<u>/A</u>	
5. (a) Applicable	: Construction Code	ASME Section III NE	3. Class 1	<u>1974</u> Editio	n, <u>Summer</u>	<u>: 1975</u> Adı	denda, N/A Code	e Case
(b) Applicable	Edition of Section?	XI Utilized for Repair	rs or Replace	ments: <u>199</u>	)2 Edition	. 1992 A	ddenda	
6. Identification o	f Components Repa	ired or Replaced and l	Replacement	t Componen	ıts			-
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Oth Identifi	her fication	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)
PSV	Dresser	BS-08567	N/A	3JRCEPS\	V0203	1978	Replacement	YES
PŚV	Dresser	BY-14538	N/A	3JRCEPS\	V0203	1991	Replaced	YES
		·						
	t.							
	:						· ]	
7. Description of V	Vork: Valve being	replaced as part of	routine ma	intenance.				
8. Test Conducted:	: Hydrostatic	Pneumatic [	] Nomi	inal Operatin	ng Pressure	<b>:</b> 🛛 1	Exempt	
N-4	116-2  Other	Pressure >2130 psi			Test Tem	nperature	<u>~67</u> °F	
inches, (2) infor	rmation in items 1	form of lists, sketched thru 6 on this report led at the to of this fo	rt is included					

### FORM NIS-2 (Back)

Damarke, WAM 2005/20 Value Laine -	enlaced on now of court	maintenance CNT DC AD	567
Remarks: WO# 2805439. Valve being re	epiaced as part of routine	: maintenance. SIN DS-08.	<u>, , , , , , , , , , , , , , , , , , , </u>
e-Pressured Test WO Review – ISI	mil-4-18th		·
ANII_	1 1-24-06		
	Certificate of Co	ompliance	
We certify that the statements made in ASME Code, Section XI.	the report are correct	and this replacement co	onforms to the rules of the
Type Code Symbol Stamp	N/A		
Certificate of Authorization No.	N/A	Expiration Date	::N/A
1/1			5/10/06
Owner or Owner'	's Designee, Title	•	
	•		•
·		• .	
:			
CERTIFICA	TE OF INSERV	ICE INSPECTIO	ON
CERTIFICA  I, the undersigned, holding a valid con			
I, the undersigned, holding a valid con Inspectors and the State or Province of	mmission issued by the	e National Board of bod by HSB CT of Har	oiler and Pressure Vessel
I, the undersigned, holding a valid cor Inspectors and the State or Province of inspected the components described in	mmission issued by the <u>Arizona</u> and employed this Owner's report o	e National Board of bo d by <u>HSB CT</u> of <u>Har</u> luring the period of	piler and Pressure Vessel tford, Connecticut, have 3-24-04
I, the undersigned, holding a valid con Inspectors and the State or Province of inspected the components described in to, and state examinations and taken corrective m	mmission issued by the Arizona and employed this Owner's report of that to the best of my neasures described in	e National Board of bod by HSB CT of Harburing the period ofknowledge and belief,	piler and Pressure Vessel tford, Connecticut, have 3-24-04 the Owner has performed
I, the undersigned, holding a valid con Inspectors and the State or Province of inspected the components described in to, and state examinations and taken corrective m	mmission issued by the Arizona and employed this Owner's report of that to the best of my neasures described in	e National Board of bod by HSB CT of Harburing the period ofknowledge and belief,	piler and Pressure Vessel tford, Connecticut, have 3-24-04 the Owner has performed
I, the undersigned, holding a valid con Inspectors and the State or Province of inspected the components described in to, and state examinations and taken corrective managements of the ASME Code, Section By signing this certificate, neither the laconcerning the examinations and corrective Inspector nor his employer shall be	mmission issued by the Arizona and employed this Owner's report of that to the best of my neasures described in on XI.  Inspector nor his employed that the test of the best o	e National Board of bod by HSB CT of Har- luring the period of knowledge and belief, this Owner's Report  oyer makes any warranced in this Owner's report	the Owner has performed in accordance with the oxygen ty, expressed or implied, but. Furthermore, neither
I, the undersigned, holding a valid con Inspectors and the State or Province of inspected the components described in to, and state examinations and taken corrective managements of the ASME Code, Section By signing this certificate, neither the laconcerning the examinations and corrective Inspector nor his employer shall be	mmission issued by the Arizona and employed this Owner's report of that to the best of my neasures described in on XI.  Inspector nor his employed that the test of the best o	e National Board of bod by HSB CT of Har- luring the period of knowledge and belief, this Owner's Report  oyer makes any warranced in this Owner's report	the Owner has performed in accordance with the oxy, expressed or implied, but. Furthermore, neither
I, the undersigned, holding a valid cordinated the State or Province of inspected the components described in to, and state examinations and taken corrective materials are equirements of the ASME Code, Section By signing this certificate, neither the I concerning the examinations and corrective Inspector nor his employer shall be loss of any kind arising from or connective.	mmission issued by the Arizona and employed this Owner's report of that to the best of my neasures described in on XI.  Inspector nor his employed the measures described in any manner ted with this inspection	e National Board of bod by HSB CT of Har- luring the period of knowledge and belief, this Owner's Report  oyer makes any warranted in this Owner's report for any personal injury of the control of t	the Owner has performed in accordance with the or property damage or a
I, the undersigned, holding a valid con Inspectors and the State or Province of inspected the components described in to, and state examinations and taken corrective managements of the ASME Code, Section By signing this certificate, neither the laconcerning the examinations and corrective Inspector nor his employer shall be	mmission issued by the Arizona and employed this Owner's report of that to the best of my neasures described in on XI.  Inspector nor his employed the measures described in any manner ted with this inspection	e National Board of bod by HSB CT of Har- luring the period of knowledge and belief, this Owner's Report  oyer makes any warranted in this Owner's report for any personal injury of the control of t	the Owner has performed in accordance with the ort. Furthermore, neither or property damage or a

	ASME SECTION	XI – REPAIR / REPI	LACEMENT	
			P	agel_ofl
1. Component ID 3MDGB		2. Code Class A	SME Secton III Class	<u>3</u>
3. Item Description: <u>LUBE</u>				
4. N-5 Data Package Number		5. W.O. Number:	<u>2805530</u>	``
6. Original Construction Co			≈2	
7. Original Installation Cod		· · · · · · · · · · · · · · · · · · ·	7/06 "	. •
8. Work Description: <u>REI</u> 9. ☐ ISI Flaw	AIR BASE METAL WIT	NDE Method of Flaw De	atention.	
7. [ ] 101 Flaw		Report Number:	acction.	
10. Evaluation of the suitable	ility of this work as per the		):	
•	se metal due to small defec	,		
Routine repair of the day	se metat due to small detec	is in the coating.		•
	••			•
· ·		,		
		·	• .	·.
11. Repair/Replacement Wo	<del></del>		<b></b>	. /
12. Replacement Items Cons				
13. Repair/Replacement Act	- '	•	edition 1975 Winter A	addenda
14. ASME Section XI Code	كاب 💮	nd 1992 Addenda		1
15. Preservice Inspection Re	quired:	YES NO	•	
Initial Date	1-7-06 If required	d, include a step in the W.O.	to perform Preservice	Inspection
16. ASME Section XI Pressu	•	⊠ YES □ NO	•	•
11/1 "	· -	I, include a step in the W.O.	for ISI & ANII Inches	rtion .
Initial Date		•		•
Initial MIL Date 9	2706 17. Include componen	le a step in the W.O. to com	plete NIS-2 Form prio	r to releasing the
· · · · · · · · · · · · · · · · · · ·		•		
Initial My Date 9	-7-06 18. Includ	le a step in the W.O. to recon	d below all applicable	numbers for repaired or
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
			neat 140.	
3MDGBE04 reversing spool	4-321-19815-008	9-20016-02-6		WO 2805530
· · · · · · · · · · · · · · · · · · ·	·	<u> </u>		3
•	• •			
	· · · · · · · · · · · · · · · · · · ·			
		<del> </del>		
				<u> </u>
19. Planner Mass	hell 4-7	7-06 Printed Name: N	Martin J. Sullivan	
Signature	D	7-06 Printed Name: Mate	Jai dii J. Odiii vati	<b>-</b>
PRH Id	$\frown$		PPTION	7 1 40 P-to 281
20. ISI Signature	<u> </u>	Printed Name:	WI THDAT	> Logentry-RP1
, ,	· ·		- 1	
21. ANII Res Agrice	4-7-	Printed Name:	R.G. HOGSTR	o <del>M</del> .
Signature		ate		

		unica by morro	771010110 01 4.		0 00011011 2		s transports
1. Owner: Arizo	ona Public Service	Company, et. al.		Date	e: <u>04/07/20</u>	<u>,06</u>	
<u>P. O.</u>	Box 53999, Phoeni	ix Arizona 85072	<u>!-2034</u>	Shee	et: <u>1</u> of	2	•
2. Plant: Palo	Verde Nuclear Gen	erating Station		Unit	t: <u>3</u>		
_ <u>5801</u>	South Wintersburg	Road., Tonopah.	, Arizona 853	<u>54-7529</u> Wor	k Order Nu	mber <u>2805530</u>	.:.
3. Work Perform	– ned by: <u>Arizona Publi</u> c	ic Service	٠.	Тур	e of Code St	tamp <u>None</u>	•
:	-		<i>:</i>	Auti	horization No	io. <u>N/A</u>	
•		•		Expi	iration Date	<u>N/A</u>	
4. Identification of	of System: 3MDGB	<u>E04</u>		•	• •		
5. (a) Applicable	Construction Code A	ASME Section III ?	ND, Class 3	1974 Edition, Sur	mmer 1976	Addenda, N/A Co	ode Case
(b) Applicable	e Edition of Section X	KI Utilized for Rep	airs or Replace	ments: <u>1992 Ed</u>	ition, 1992	2 Addenda	•
6. Identification c	of Components Repai	ired or Replaced an	id 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
eger Face		·					Stamped (Yes or NO)
DG."B"Lube oil cooler	American Standard	9-20016-02-6	35424	3MDGBE04	1980	Repaired	YES
			·				
·	,		·				
·							·
			.:·				
7. Description of V	Work: Weld build t	up of base metal	on the reversi	ng channel spor	<u></u>		
8. Test Conducted:	: Hydrostatic	☐ Pneumatic	☐ Nomi	inal Operating Pre	essure 🔲	Exempt	į
N-4	416-2 🛛 Other	Pressure 43 p	osi	Tes	t Temperatu	re <u>66</u> °F	
					· · · · · · · · · · · · · · · · · · ·	•	
•			•		•	•	. 1

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: Weld build up of base metal on the reversing channel spool W.O. 2805530
P	re-Pressured Test WO Review – ISI
	ANII MA
	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
	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
	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 SECTIO	N XI – REPAIR / RE	PLACEMENT	
			P	ageof3
<ol> <li>Component ID <u>3JSGEP</u></li> <li>Item Description: <u>Main</u></li> <li>N-5 Data Package Number</li> <li>Original Construction Code</li> <li>Original Installation Code</li> </ol>	Steam Safety Valve; Dreer: 3SG02-2 ode Edition: 1974 Editio	4. W.O. Numbe n, Summer 1975 Addenda	•	
7. Work Description: Res	placement of main steam s			•
8. ISI Flaw 9. Evaluation of the suitabil	ity of this work as per the	NDE Method of Flaw Report Number: requirements of IWA - 41		
Not a failure in the ASN	IE III pressure boundary.	Spare valve is a like-for-lib	ce replacement and is be	ing replaced based
upon trevitesting.				
<ul> <li>10. Repair/Replacement Wo</li> <li>11. Replacement Items Con</li> <li>12. Repair/Replacement Act</li> <li>13. ASME Section XI Code</li> <li>14. Preservice Inspection Re</li> </ul>	struction or reconciled Cotivity Construction Code/I /Edition: 1992 Edition	de/Edition: Sec. III Cl 2, Edition: Sec. III Cl 2, 197	4 Edition 1975 Winter A	<del></del>
Initial Page Date 3  15. ASME Section XI Press  Initial Page Date 3  Initial Page Date 3	ure Test Required:	ed, include a step in the W.  YES	O. for ISI & ANII Inspe	ction.
Initial Pag Date 3	.14-04 17. Inch	ent. ade a step in the W.O. to re ent items.	cord below all applicable	e numbers for repaired or
· Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
3JSGEPSV0557	APN 45003638	BS-08635	N/A	MR 1075680
				1
		·		
·			•	
18. Planner Signature  19. ISI Signature  Signature	27 3-1 20 3/14	Date  Printed Name  Printed Name  Date	e: <u>David Goodlet</u> e: <b>R. P. JNDA</b> P	Log Entry CFO
20. ANII Signature		-15-06 Printed Name	: RG HOGSTROM	

#### ASME SECTION XI – REPAIR / REPLACEMENT Page\_ 1. Component ID 3JSGEPSV0576 2.. Item Description: Main Steam Safety Valve; Dresser 6" 3707RAX-RT-25; 1315 psig 3. N-5 Data Package Number: 3SG01-2 4. W.O. Number: 2805544 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. NDE Method of Flaw Detection: 8. ISI Flaw Report Number: 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: ☐ YES ⊠ NO Initial Dung Date 3-14-06 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. Initial Day F Date 3-14-06 16. Include a step in the W.O. to complete NIS-2 Form prior to releasing the Initial component. 17. Include a step in the W.O. to record below all applicable numbers for repaired or replacement items. Serial No. Heat No. Item ID Part No. MR/PO/WO No. 3JSGEPSV0576 APN 45003638 BS-08581 N/A MR 1075681 3-14-2006 Printed Name: David Goodlet . 18. Planner Printed Name: R.P. INDAP Log Entry RPL

3-15-06

Printed Name: R.G. Houstron

20.: ANII

#### ASME SECTION XI – REPAIR / REPLACEMENT Page \_ 1. Component ID 3JSGEPSV0692 2.. Item Description: Main Steam Safety Valve; Dresser 6" 3707RAX-RT-25; 1315 psig 3. N-5 Data Package Number: 3SG01-2 4. W.O. Number: 2805544 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. ISI Flaw NDE Method of Flaw Detection: Report Number: 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: ☐ YES ⊠ NO Initial Day Date 3-14-04 If required, include a step in the W.O. to perform Preservice Inspection ⊠ YES П по 15. ASME Section XI Pressure Test Required: If required, include a step in the W.O. for ISI & ANII Inspection. Initial Many Date 3-14-06 16. Include a step in the W.O. to complete NIS-2 Form prior to releasing the Page Date 3-14-06 component. 17. Include a step in the W.O. to record below all applicable numbers for repaired or Date 3-14.04 replacement items. Item ID Part No. Serial No. Heat No. MR/PO/WO No. 3JSGEPSV0692 APN 45003638 BS-08587 N/A MR 1075678 Printed Name: David Goodlet Printed Name: R. P. INDAP Log Entry PRO Printed Name: R.G. Houstron 3-15-06 . . .

#### 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: <u>3/</u>	13/2006		
<u>P. O.</u>	Box 53999, Phoen	ix Arizona 85072-2	.034		Sheet:	1 of 2		
2. Plant: Palo	Verde Nuclear Gen	nerating Station			Unit: 3			
<u>5801</u>	South Wintersburg	Road., Tonopah, A	urizona 853	<u>54-7529</u>	Work Ord	ier Numbe	er <u>2805544</u>	
3. Work Perform	ed by: Arizona Publi	ic Service			Type of C	Code Stam	p <u>None</u>	
•				-	Authoriza	tion No.	<u>N/A</u>	•
•					Expiration	n Date N	<u>/A</u>	
4. Identification o	of System: SG: Mai	n Steam System						
5. (a) Applicable	Construction Code,	ASME Section III NC	2. Class 2	1974 Editio	n, <u>Summer</u>	<u>1975</u> Add	lenda, Co	ode Case
(b) Applicable	Edition of Section	XI Utilized for Repair	s or Replace	ments: <u>199</u>	)2 Edition	<u>. 1992 A</u>	ddenda	. •
6. Identification o	of Components Repai	ired or Replaced and I	Replacement	t Componen	its		· <u></u>	·
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	_	her ication	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or
Safety Valve	Dresser	BS-08635	N/A	3JSGEPS	V0557	1981	Replacement	No) YES
Safety Valve	Dresser	BS-08581	N/A	3JSGEPS	· · ·	1978	Replacement	YES
Safety Valve	Dresser	BS-08587	N/A	3JSGEPS		1978	Replacement	YES
Saicty valve	Diessei	B3-00367	IVA	3302.5	V 0032	1970	Replacement	11.0
			<b></b>				· 数	
			<b></b>		`			· · ·
•			<del></del>				· .	
				<u> </u>				
7. Description of V	Vork: Replace thre	ee main steam safety	y valves wit	th a recond	litioned &	tested sp	oare.	
3. Test Conducted:	: Hydrostatic -	Pneumatic	] Nomi	nal Operatii	ng Pressure	: 🛛 🗎	Exempt	:
N-4	116-2  Other	Pressure 1080 psi			Test Tem	perature	<u> 200Т</u> °F	
inches, (2) info	rmation in items 1	orm of lists, sketches thru 6 on this report led at the to of this fo	rt is included					

### FORM NIS-2 (Back)

dest out	Remarks: WO# 2805544 will be used to replace Main Steam Safety Valve 3JSGEPSV0557, 576 & 692 during 3R12.
Pr	re-Pressured Test WO Review - ISI RPINDART POR W.O. 5160 4 24 06
	ANII 725 from 4-78-06
	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: SR. ISI ENGINEER Date: 5-/10/06  Owner or Owner's Designee, Title
	Owner or Owner's Designee, Title
ſ	CERTIFICATE OF INSERVICE INSPECTION
	Market Committee and the Committee of th
	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>3-15-06</u> to <u>5-10-06</u> , and state that to the best of my knowledge and belief, the Owner has performed
	examinations and taken corrective measures described in this Owner's Report in accordance with the
1	requirements of the ASME Code, Section XI.
	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.
	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

ĺ	ASME SECTION	N XI – REPAIR / REPL		
			Pa	ige1 of2_
1. Component ID 3MRCE				
2 Item Description: Reac				
3. N-5 Data Package Number		4. W.O. Number: 2	9866089	
5. Original Construction Co				
6. Original Installation Cod		Winter 1975 Addenda tone Pressurizer Heaters (27) a	and install the origin	nal heaters removed by
7. Work Description. 301	4246 during U3R11 if inst	pected and verified acceptable	or use replacement	heaters from Korea.
Per		ne Heater and pressurizer sleev	<u>'c.</u>	
8. ISI Flaw		NDE Method of Flaw Deta	ection:	
a = 1 de esta enimalia	'	Report Number:		
· ·	· ·	requirements of IWA - 4150:	es est mada emperaren	hamadam:
Electrical portion of the	heaters have failed or are s	suspect. Not a failure at the AS	WE code pressure	<u>Doundar y</u>
	• •	•	-	······································
10. Repair/Replacement Wo				
11. Replacement Items Cons	struction or reconciled Cod	le/Edition: Sec. III Cl 1, 1971	Edition 1973 Win	nter Addenda
		dition: Sec III Cl 1. 1974 Ed	ition 1975 Winter	Addenda
13. ASME Section XI Code		and 1992 Addenda		
14. Preservice Inspection Re	quired:	☐ YES ⊠ NO	•	
Initial Dog Date 6	-5-05 If required	d, include a step in the W.O. to	perform Preservic	e Inspection
15. ASME Section XI Pressu	-	☐ YES ☒ NO		
•.:-		d, include a step in the W.O. fo	r ISI & ANII Inspe	ection.
Initial Date _ Date _ E	16 Tanlas	de a step in the W.O. to comple		•
Initial <u>D7G</u> Date <u>6</u>	componen		12 14173-5 1 Orm bree	or to rereasing and
		ie a step in the W.O. to record	helow all applicabl	e numbers for repaired or
Initial Duff Date 6	-5-05 replacemen		Acton and -EX	
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
Par Htr 3MRCEA01		148	N/A	A STATE OF THE STA
Pzr Htr 3MRCEA02	91387	NO3028-17	N/A	986735-1
Pzr Htr 3MRCEA03	91787	NO3028-11	N/A	986735-1
Pzr Hir 3MRCEA04	Y Y Y	1) 13	N/A	
Pzr Htr 3MRCEA05	762.77	1625	N/A	985954-1
Pzr Htr 3MRCEA06	91387	NO 3028-12	N/A	976735-1
Pzr Htr 3MRCEA07	91387	NO 3028-14	N/A	986735-1
Pzr Htr 3MRCEA08		70	N/A	
0.4	'n 114	l		
8. Planner	Sordlet 6-5-		id Goodlet	
Signature	, Di	ate ·		
9. ISI R. INDAP PE	· 10/ca Drug 6-5-0	Printed Name:	Ramakant Indap	Log Entry
Signature		ate		
O. ANII R. HOGSTROY	14- A-6 1=	COC Not and Marrie Di	-Last II and same	
U. ANII		Printed Name: Ro	open nogstrom	

#### ASME SECTION XI - REPAIR / REPLACEMENT of \_\_\_\_2 Component Continuation: Work Order Number: 2806586 Item ID Part No. Serial No. Heat No. MR/PO/WO No. 91378 *N03028つ1*3 N/A 9 86 735-1 PZR HTR 3MRCEA10 NO3028-16 91378 986735-1 PZR HTR 3MRCEA12 N/A NO30 28-15 91778 NΛ 986735-1 PZR HTR 3MRCEA13 23B ŃΑ PZR HTR 3MRCEA14 PZR HTR 3MRCEA15 2.*LP* N/A NO30 28-09 91378 986735-1 N/A PZR HTR 3MRCEA16 986775-1 N/A PZR HTR 3MRCEA17 91378 NOPO28-64 PZR HTR 3MRCEA18 378 N/A 40.70 28-05 91778 N/A 986735-1 PZR HTR 3MRCEB01 N/A PZR HTR 3MRCEB03 NO30 28-10 PZR HTR 3MRCEB04 N/A 9867351 88 PZR HTR 3MRCEB06 N/A PZR HTR 3MRCEB07 30B N/A 18R PZR HTR 3MRCEB09 N/A NO3028-06 PZR HTR 3MRCEB10 N/A 4867351 PZR HTR 3MRCEB12 N/A 91778 NO3028-08 PZR HTR 3MRCEB15 N/A 9867351 PZŔ/HTR 3MRCEB16 60J N/A 91378 NO3028-07 PZR HTR 3MRCEB18 N/A 9867751 N/A Note: Alberial numbers listed contain MOI designation after Six alphanumric charecters ed. No3028 MOI-ON It is also shalon wide Data Report attached to RPhodag the NIS-2 form. 6114/05 18. Planner Printed Name: \_\_\_\_\_ David Goodlet 19. ISI R. INGAP Printed Name: \_\_\_Ramakant Indap\_\_\_\_Log Entry 6.5.05 20. ANII R. 1429512 0494 6-5-45 Printed Name: Robert Hogstrom

PV-E0093 Ver. 7

73DP-9ZZ17

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

As Required by the Provisions of the ASME Code Section XI

1. Owner: Arizona Public Service Company, et. al.

Date: 06/05/2005

P. O. Box 53999, Phoenix Arizona 85072-2034

Sheet: 1 of 2

2. Plant: Palo Verde Nuclear Generating Station

Unit: 3

\_5801 South Wintersburg Road., Tonopah, Arizona 85354-7529

Work Order Number 2806586

3. Work Performed by: Arizona Public Service

Type of Code Stamp None

Authorization No. N/A

Expiration Date N/A

4. Identification of System: Reactor Coolant System (RC), ASME Section III, Class 1

5. (a) Applicable Construction Code ASME Section III NB, Class 1 1971 Edition, Winter 1973 Addenda, Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1992 Edition, 1992 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

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)
Pressyrizer Heater	Watlow	14B	N/A	3MRCEA01	1981	Replacement	YES
Pressurizer Heater	Doosan	N03028M01-17	N/A	3MRCEA02	2004	Replacement	YES
Pressurizer Heater	Doosan	N03028M01-11	N/A	3MRCEA03	2004	Replacement	YES
Pressurizer Heater	Watlow	11B	N/A	3MRCEA04	1981	Replacement	YES
Pressurizer Heater	General Electric	1625	N/A	3MRCEA05	1977	Replacement	YES
Pressurizer Heater	Doosan	N03028M01-12	N/A	3MRCEA06	2004	Replacement	YES
Pressurizer Heater	'Doosan	N03028M01-14	N/A .	3MRCEA07	2004	Replacement	YES
Pressurizer Heater	Watlow	7B	. N/A	3MRCEA08	1981	Replacement	YES
Pressurizer Heater	Doosan	N03028M01-13	N/A	3MRCEA10	2004	Replacement	YES
Pressurizer Heater	Doosan	N03028M01-16	N/A	3MRCEA12	2004	Replacement	YES
Pressurizer Heater	Doosan	N03028M01-15	N/A	3MRCEA13	2004	Replacement	YES
Pressurizer Heater	Watlow	. 23B	N/A	3MRCEA14	1981	Replacement	YES
Pressurizer Heater	Watlow	26B	N/A	3MRCEA15	1981	Replacement	YES

#### 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: 06/05/2005

. P. O. Box 53999, Phoenix Arizona 85072-2034

Sheet: 2 of

2. Plant: Palo Verde Nuclear Generating Station

Unit: 3

5801 South Wintersburg Road., Tonopah, Arizona 85354-7529

Work Order Number 2806586

3. Work Performed by: Arizona Public Service

Type of Code Stamp None

Authorization No. N/A

Expiration Date N/A

4. Identification of System: Reactor Coolant System (RC), ASME Section III, Class 1

5. (a) Applicable Construction Code ASME Section III NB, Class 1 1971 Edition, Winter 1973 Addenda, \_\_\_\_ Code Case

.

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1992 Edition, 1992 Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

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)
Pressurizer Heater	Doosan	N03028M01-09	N/A	3MRCEA16	2004	Replacement	YES
Pressurizer Heater	Doosan	N03028M01-04	. N/A	3MRCEA17	2004	Replacement	YES
Pressurizer Heater	Watlow.	37B	N/A	- 3MRCEA18	. 1981	Replacement	YES
Pressurizer Heater	Doosan	N03028M01-05	N/A	3MRCEB01	2004	Replacement	YES
Pressurizer Heater	Watlow	25A	N/A	3MRCEB03	1981	Replacement	YES
Pressurizer Heater	Doosan	N03028M01-10	. N/A .	3MRCEB04	2004	Replacement	YES
Pressurizer Heater	Watlow	8B	N/A	3MRCEB06	1981	Replacement	YES
Pressurizer Heater	Watlow	30B	· N/A	3MRCEB07	1981	Replacement	YES
Pressurizer Heater	Watlow	18B	N/A	3MRCEB09	1981	Replacement	YES
Pressurizer Heater	Doosan	N03028M01-06	N/A	3MRCEB10	2004	Replacement	YES
Pressurizer Heater	Watlow	31B	N/A	3MRCEB12	1981	Replacement	YES
Pressurizer Heater	Doosan	N03028M01-08	N/A	3MRCEB15	2004	Replacement	YES
Pressurizer Heater	Watlow	60J	N/A	3MRCEB16	1981	Replacement	YES

1. Owner: Arizo	ona Public Service	Company, et. al.		Date	: 06/05/20	05	
<b>P.O.</b> ]	Box 53999, Phoeni	ix Arizona 85072	-2034	Sheet	et: 3 of	4	•
2. Plant: Palo V	Verde Nuclear Gen	erating Station		Unit:	3		
<u>5801 (</u>	South Wintersburg	Road., Tonopah,	Arizona 853	<u>54-7529</u> Worl	k Order Nui	mber 2806586	
3. Work Perform	ed by: Arizona Publ	ic Service		Туре	of Code St	amp <u>None</u>	
	• •		;	Auth	orization N	o. <u>N/A</u>	
		•		Expir	ration Date	<u>N/A</u>	
4. Identification o	of System: Reactor (	Coolant System (R)	C). ASME Sec	tion III, Class 1			
5. (a) Applicable	Construction Code A	ASME Section III 1	NB, Class 1	<u>1971</u> Edition, <u>Wi</u> r	<u>nter 1973</u> A	ddenda,C	ode Case
(b) Applicable	Edition of Section >	KI Utilized for Repa	airs or Replace	ments: <u>1992 Edi</u>	<u>ition, 1992</u>	Addenda	
6. Identification o	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 NO)
Pressurizer Heater	Doosan	N03028M01-07	N/A	3MRCEB18	2004	Replacement	YES
// N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
7. Description of V	Work: Replace Fram	natone Pressurizer l	heaters installe	d during U3R11.		년() (변화 전()	
:							
8. Test Conducted:	. Hydrostatic	Pneumatic	Nominal Or	perating Pressure	☐ Exe	empt 🛛	
N-4	116-2 🔲 .	Other Pressure _	psi	Test	Temperatu	re °F	
		•		· •			
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)

Sheet 4 of 4

9. Remarks: W.O. 2806586 replaced 27 Framatone Pressurizer heaters (installed during 3R11 under W.O. 261	4246) due
to poor life expectancy. The 27 Framatone heaters were replaced with a combination of 12 original Watlow h	eaters
(which were removed during 3R11 under W.O. 2614246), 1 spare heater mfg. by General Electric, and 14 ne	<u>w</u>
replacement heaters mfg. by Doosan Heavy Industries.	
	· · · · · · · · · · · · · · · · · · ·
Pre-Pressured Test WO Review - ISI N/A	·
11 /h	·
ANII N/A	·
Certificate of Compliance	•
We certify that the statements made in the report are correct and this replacement conforms to the ru	les of the
ASME Code, Section XI.	
Type Code Symbol Stamp N/A	
Type code symbol sump	
Certificate of Authorization No. N/A Expiration Date: N/A	
Giand PROSPAD Concelting Metally raical Engineer Date: (14/2)	ans
Signed: Proces Consulting Metallurgical Engineer Date: 6/14/20	<u> </u>
	•
CEDEBLE OF DICEDIFICE INCDECTION	
CERTIFICATE OF INSERVICE INSPECTION	
	j.
I, the undersigned, holding a valid commission issued by the National Board of boiler and Pressur	
Inspectors and the State or Province of Arizona and employed by HSB CT of Hartford, Connection	cut, have
inspected the components described in this Owner's report during the period of <u>c-5-05</u> to <u>c-14-05</u> , and state that to the best of my knowledge and belief, the Owner has p	erformed
examinations and taken corrective measures described in this Owner's Report in accordance	
requirements of the ASME Code, Section XI.	20 ¥ 20 ¥ 1 7
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 dam	age or a
loss of any kind arising from or connected with this inspection.	. [
7h / -	
Commissions: NB 9685 "N" "I" AZ264 National Board, State, Province, and En	dorsements
Inspectors Signature	
Date: 6-14-05	

### 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

	•	guerna and address of NPT Cartificates in	tolder)	
lenufactured for KOREA H	YDRO & NUCLEAR POWER (	CO., LTD. 187,SAMSUNG	DONG,KANGNI	AM-KU,SEOULKOREA
		(name and actions of purchaser)		
ocation of installation ULCHIN I	VUCLEAR POWER PLANT UNIT	K RIBLARIĞILRI BIRLAY	TIN III CHINLCHIN	KYLINGSANGRI IK DO
CZECII OI REGULLION OCCANA !	OCLEAR POWER PORTI GIVE	(huma and address)	OIT OF CHILL COLL	INTONOSANOSOR-DO
<b>•</b> Nacces on the Nation		75 hal		0004
ype: D-N03028-22185-M01 R		TP316 75 ksl Serale storeth)	N/A	
(drawing so.)	(meft, spec, so.)	(and the second	: lesad	Open halt)
ME Code, Section III, Division 1:	1992	A94(DEC.31.'94)	. 1	N/A
	(addition)	(acklanda data)	(class	
•	,			
bricated in accordance with Const. S	Spec. (Div. 2 only) N/A	Revision	N/A	Date N/A
	· (ra.)			·
marks: 1. ITEM NAME: P	RESSURIZER HEATER		<del></del>	<del></del>
2. ( )*: DOOSAN	i No.			
		<del></del>	~	
an annihable Cadificate Maldad De	da Danada ara attached for each i	the mont		•
nen applicable, Certificate Holder' De	<del>~~</del>	tern of this report:	<del></del>	
nen applicable, Certificate Holder' De Part or Appurtenance	National	tern of this report : Part or Appurte	mance	Nettonal
	National Board No.	7		Board No.
Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurer		
Part or Appurtamence Serial Number 1) N03028M01-01	National Board No. In Numerical Order N/A (DN-122)*	Part or Appure Serial Numb		Board No.
Part or Appurtenance Serial Number  1) N03028M01-01 2) N03028M01-02	National Board No. In Numerical Order N/A (DN-122)* N/A (DN-123)*	Part or Appurte Social Numb		Board No.
Part or Appurtamence Serial Number 1) N03028M01-01	National Board No. In Numerical Order N/A (DN-122)*	Part or Appure Serial Numb		Board No.
Part or Appurtenance Serial Number  1) N03028M01-01 2) N03028M01-02 3) N03028M01-03 4) N03028M01-04	National Board No. In Numerical Order N/A (DN-122)* N/A (DN-123)* N/A (DN-124)*	Part or Appurer Serial Number (28) (27) (28)		Board No.
Part or Appurtenance Serial Number  1) N03028M01-01 2) N03028M01-02 3) N03028M01-03 4) N03028M01-04 5) N03028M01-05 6) N03028M01-06	National Board No. In Numerical Order N/A (DN-122)* N/A (DN-123)* N/A (DN-124)* N/A (DN-125)*	(26) (27) (28) (29)		Board No. In Numerical Order
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Part or Appurtenance Serial Number  1) N03028M01-01 2) N03028M01-02 3) N03028M01-03 4) N03028M01-04 5) N03028M01-05 6) N03028M01-05 7) N03028M01-07 8) N03028M01-07	National Board No. In Numerical Order N/A (DN-122)* N/A (DN-123)* N/A (DN-124)* N/A (DN-125)* N/A (DN-126)* N/A (DN-127)* N/A (DN-128)*	Part or Appurte Serial Numb (28) (27) (28) (29) (30) (31) (32) (33)		Board No. In Numerical Order
Part or Appurtenance Serial Number  1) N03028M01-01 2) N03028M01-02 3) N03028M01-03 4) N03028M01-04 5) N03028M01-05 6) N03028M01-05 7) N03028M01-07 8) N03028M01-08	National Board No. In Numerical Order N/A (DN-122)* N/A (DN-123)* N/A (DN-124)* N/A (DN-125)* N/A (DN-126)* N/A (DN-127)* N/A (DN-128)* N/A (DN-129)*	Part or Appurte Serial Numb (26) (27) (28) (29) (30) (31) (32) (33) (34)		Board No. In Numerical Order
Part or Appurtenance Serial Number  1) N03028M01-01 2) N03028M01-02 3) N03028M01-03 4) N03028M01-04 5) N03028M01-05 6) N03028M01-05 7) N03028M01-07 8) N03028M01-07 9) N03028M01-09 0) N03028M01-09	National Board No. In Numerical Order NVA (DN-122)* NVA (DN-123)* NVA (DN-124)* NVA (DN-125)* NVA (DN-126)* NVA (DN-127)* NVA (DN-127)* NVA (DN-128)* NVA (DN-129)* NVA (DN-130)* NVA (DN-131)*	Part or Appurte Serial Numb (28) (27) (28) (29) (30) (31) (32) (33) (34) (35)		Board No. In Numerical Order
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Part or Appurtenance Sorial Number  1) N03028M01-01 2) N03028M01-02 3) N03028M01-03 4) N03028M01-04 5) N03028M01-05 6) N03028M01-05 7) N03028M01-07 8) N03028M01-07 8) N03028M01-07 1) N03028M01-10 1) N03028M01-10 1) N03028M01-11 2) N03028M01-12	National Board No. In Numerical Order NVA (DN-122)*  NVA (DN-123)*  NVA (DN-124)*  NVA (DN-125)*  NVA (DN-126)*  NVA (DN-127)*  NVA (DN-127)*  NVA (DN-128)*  NVA (DN-129)*  NVA (DN-130)*  NVA (DN-131)*  NVA (DN-131)*  NVA (DN-132)*  NVA (DN-133)*  NVA (DN-133)*  NVA (DN-134)*	Part or Appurte Serial Numb (26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36)		Board No. In Numerical Order
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Part or Appurtenance Serial Number  1) N03028M01-01 2) N03028M01-02 3) N03028M01-03 4) N03028M01-04 5) N03028M01-05 6) N03028M01-05 7) N03028M01-07 8) N03028M01-07 8) N03028M01-07 9) N03028M01-10 1) N03028M01-10 1) N03028M01-12 3) N03028M01-13 4) N03028M01-13 4) N03028M01-15	National Board No. In Numerical Order NVA (DN-122)*  NVA (DN-123)*  NVA (DN-124)*  NVA (DN-125)*  NVA (DN-126)*  NVA (DN-127)*  NVA (DN-127)*  NVA (DN-128)*  NVA (DN-129)*  NVA (DN-130)*  NVA (DN-131)*  NVA (DN-131)*  NVA (DN-132)*  NVA (DN-133)*  NVA (DN-133)*  NVA (DN-134)*	Part or Appurte Serial Numb (28) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39)		Board No. In Numerical Order
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Part or Appurtenance Serial Number  1) N03028M01-01 2) N03028M01-02 3) N03028M01-03 4) N03028M01-04 5) N03028M01-05 6) N03028M01-05 7) N03028M01-07 8) N03028M01-07 8) N03028M01-07 9) N03028M01-10 1) N03028M01-10 1) N03028M01-12 2) N03028M01-12 3) N03028M01-13 4) N03028M01-15 5) N03028M01-15 6) N03028M01-15	National Board No. In Numerical Order N/A (DN-122)* N/A (DN-123)* N/A (DN-124)* N/A (DN-126)* N/A (DN-126)* N/A (DN-126)* N/A (DN-128)* N/A (DN-128)* N/A (DN-129)* N/A (DN-130)* N/A (DN-131)* N/A (DN-131)* N/A (DN-132)* N/A (DN-133)* N/A (DN-135)* N/A (DN-135)* N/A (DN-136)* N/A (DN-136)* N/A (DN-137)*	Part or Appurte Serial Numb (28) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40)		Board No. In Numerical Order
Part or Appurtenance Serial Number  1) N03028M01-01 2) N03028M01-02 3) N03028M01-03 4) N03028M01-04 5) N03028M01-05 6) N03028M01-05 6) N03028M01-07 8) N03028M01-07 8) N03028M01-07 9) N03028M01-10 1) N03028M01-12 2) N03028M01-12 3) N03028M01-13 4) N03028M01-14 5) N03028M01-15 6) N03028M01-15 7) N03028M01-17	National Board No. In Numerical Order N/A (DN-122)* N/A (DN-123)* N/A (DN-124)* N/A (DN-126)* N/A (DN-126)* N/A (DN-126)* N/A (DN-128)* N/A (DN-128)* N/A (DN-129)* N/A (DN-130)* N/A (DN-131)* N/A (DN-131)* N/A (DN-132)* N/A (DN-133)* N/A (DN-135)* N/A (DN-135)* N/A (DN-136)* N/A (DN-136)* N/A (DN-137)*	Part or Appurter Serial Number (28) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44)		Board No. In Numerical Order
Part or Appurtenance Sorial Number  1) N03028M01-01 2) N03028M01-02 3) N03028M01-03 4) N03028M01-04 5) N03028M01-05 6) N03028M01-05 6) N03028M01-07 8) N03028M01-07 8) N03028M01-09 0) N03028M01-10 1) N03028M01-12 2) N03028M01-12 3) N03028M01-13 4) N03028M01-15 5) N03028M01-15 5) N03028M01-15 7) N03028M01-16	National Board No. In Numerical Order N/A (DN-122)* N/A (DN-123)* N/A (DN-124)* N/A (DN-126)* N/A (DN-126)* N/A (DN-126)* N/A (DN-128)* N/A (DN-128)* N/A (DN-129)* N/A (DN-130)* N/A (DN-131)* N/A (DN-131)* N/A (DN-132)* N/A (DN-133)* N/A (DN-135)* N/A (DN-135)* N/A (DN-136)* N/A (DN-136)* N/A (DN-137)*	Part or Appurter Serial Number (28) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43)		Board No. In Numerical Order
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Part or Appurtenance Serial Number  1) N03028M01-01 2) N03028M01-02 3) N03028M01-03 4) N03028M01-04 5) N03028M01-05 6) N03028M01-06 7) N03028M01-07 8) N03028M01-07 8) N03028M01-09 0) N03028M01-10 1) N03028M01-11 2) N03028M01-12 3) N03028M01-13 4) N03028M01-15 5) N03028M01-15 6) N03028M01-17 6) 9) 9) 90 91	National Board No. In Numerical Order N/A (DN-122)* N/A (DN-123)* N/A (DN-124)* N/A (DN-126)* N/A (DN-126)* N/A (DN-126)* N/A (DN-128)* N/A (DN-128)* N/A (DN-129)* N/A (DN-130)* N/A (DN-131)* N/A (DN-131)* N/A (DN-132)* N/A (DN-133)* N/A (DN-135)* N/A (DN-135)* N/A (DN-136)* N/A (DN-136)* N/A (DN-137)*	Part or Appurter Serial Number (28) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (45) (46) (47)		Board No. In Numerical Order
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Part or Appurtenance Serial Number  1) N03028M01-01 2) N03028M01-02 3) N03028M01-03 4) N03028M01-04 5) N03028M01-05 6) N03028M01-06 7) N03028M01-07 8) N03028M01-07 8) N03028M01-09 0) N03028M01-10 1) N03028M01-11 2) N03028M01-12 3) N03028M01-13 4) N03028M01-15 5) N03028M01-15 6) N03028M01-17 6) 9) 9) 90 91	National Board No. In Numerical Order N/A (DN-122)* N/A (DN-123)* N/A (DN-124)* N/A (DN-126)* N/A (DN-126)* N/A (DN-126)* N/A (DN-128)* N/A (DN-128)* N/A (DN-129)* N/A (DN-130)* N/A (DN-131)* N/A (DN-131)* N/A (DN-132)* N/A (DN-133)* N/A (DN-135)* N/A (DN-135)* N/A (DN-136)* N/A (DN-136)* N/A (DN-137)*	Part or Appurter Serial Number (28) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (45) (46) (47)		Board No. In Numerical Order

<sup>\*</sup>Supplemental information in the form of itats, sketches, or drawings may be used provided (1) size is 8 4 X 11. (2) information in items 2 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 Holder's Serial Nos. N03028M01-01 through N03028M01-17 **CERTIFICATION OF DESIGN** Design specifications certified by **DREGON** Reg.no. Design report\* certified by J.Y.PARK P.E.State CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and that this (these) conforms to the rules of construction of the ASME Code, Section III, Division 1. NPT Certificate of Authorization No. Date Many DOOSAN HEAVY INDUSTRIES & CONT.CO.LTD. Signed J. K. SEO (NET Conticon Holder) CERTIFICATE OF SHOP INSPECTION i, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vesset Inspectors and the State or Province of TLLINOIS and employed by The Harlford Steam Boller Inspection And Insurance Co., Ltd. 5/7/04 , and state that to the 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 ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above. By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions IL1546 [Nat'l,84.(incl.endorsements) and state or provised no.) (Authorized Inspector)

	ASME SECTION	XI - REPAIR / REPL	ACEMENT	
			P	agelofl
1. Component ID 3PSIBVA 2 Item Description: SID-U 3. N-5 Data Package Numbe 5. Original Construction Code 6. Original Installation Code 7. Work Description: Repwels 8. ISI Flaw 9. Evaluation of the suitabili	IV-654 PRESSURE LOCK r: DIWO 1008663 de Edition: 1974 Edition, Edition: 1974 Edition, V lace the stem and disc asser	4. W.O. Number: 2 Summer 1976 Addenda Vinter 1975 Addenda nbly (if required) to correct NDE Method of Flaw Det Report Number:	VENT VALVE 2815022 seat leakage and repl	
Replacement to correct s	eat leakage. No failure in th	ne ASME boundary.		
10. Repair/Replacement World 11. Replacement Items Cons 12. Repair/Replacement Action 13. ASME Section XI Code/ 14. Preservice Inspection RefunitialN/A Date 15. ASME Section XI Pressur Initial N/A Date Initial N/A Date Initial N/A Date Initial N/A Date Initial N/A Date Initial Date Initial Date Initial Date Initial Date Date Initial Date	truction or reconciled Code vity Construction Code/Ed Edition: 1992 Edition ar quired:  If required re Test Required:  If required	Edition: Sec. III Cl 1, 1974 Edition: Sec. III Cl 1, 1974 Edition: Sec. III Cl 1, 1974 Edit 1992 Addenda  YES X NO  The include a step in the W.O. to complete a step in the W.O. to complete.	to perform Preservice for ISI & ANII Inspe- plete NIS-2 Form price d below all applicable	Addenda  Inspection  ction.  or to releasing the
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
SEAL WELD	NIA	N/A	NA	WMR 653147
				633147
		. !		
•				
•		· .		
•				
18. Planner Signature  19. ISI Signature	Da- 11-1	3-05 Printed Name:	VILEY AKLSZE	
20. ANII The hydrone Signature		3-05 Printed Name: _	R.G. HULSTRON	<u> </u>

1. Owner: Arizo	na Public Service	Company, et. al.		Date	:. <u>04/17/20</u>	06	Ų.		
P. O. Box 53999, Phoenix Arizona 85072-2034 Sheet: 1 of 2									
2. Plant: Palo Verde Nuclear Generating Station Unit: 3									
5801 5	South Wintersburg	Road., Tonopah,	Arizona 853:	54-7529 Wor	k Order Nu	mber <u>2815022</u>			
3. Work Performe	ed by: <u>Arizona Publi</u>	Service		Тур	e of Code St	amp <u>None</u>			
•	Authorization No. N/A								
			•	Expi	ration Date	<u>N/A</u>			
4. Identification o	f System: <u>Safety In</u>	jection System			• .				
5. (a) Applicable	Construction Code 1	ASME Section III N	IB, Class 1	1974 Edition, Wi	nter 1975 A	ddenda, <u>~k</u> Co	ode Case		
(b) Applicable	Edition of Section >	II Utilized for Repa	irs or Replace	ments: <u>1992 Ed</u>	ition, 1992	Addenda			
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 NO)		
Valve	Flowserve/ Kerotest	96SN0421	N/A	3PSIBVA06	1996	Repaired	YES		
Seal Weld	N/A	N/A	N/A	3PSIBVA06	2006	Replacement	NO		
•									
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)

Remarks: Work Order 2815022 rewo	orked the valve seat leakage	ge, which required removal and	replacement of the body
to bonnet seal weld.	e.		
e-Pressured Test WO Review – ISI	N/A	"	
ANII	14/11-		
· · · · · · · · · · · · · · · · · · ·			
	Certificate of (	Compliance	
We certify that the statements made Code, Section XI.	e in the report are correc	et and this repair conforms to	o the rules of the ASME
Type Code Symbol Stamp	N/A		. /
Certificate of Authorization No.	N/A	Expiration Date:	N/A
Signed: Will Will		I ENGINEER Date:	4-18-06
Owner or Ov	vner's Designee, Title		
•			
			.7
I, the undersigned, holding a valid Inspectors and the State or Province inspected the components described	commission issued by e of Arizona and emplod in this Owner's reportate that to the best of me measures described	yed by <u>HSB CT</u> of <u>Hartfor</u> t during the period of ny knowledge and belief, the	er and Pressure Vessel ord, Connecticut, have 0-23-05 c Owner has performed

#### ASME SECTION XI - REPAIR / REPLACEMENT 1. Component ID 3JRCEPSV0203 2.. Item Description: Pressurizer Safety Relief Valve 3. N-5 Data Package Number: 3RC03-3 4. W.O. Number: 2817230 5. Original Construction Code Edition; 1974 Edition, Summer 1975 Addenda 6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda 7. Work Description: Valve reworked as a part of routine maintenance during vendor testing. 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 failure of ASME III pressure boundry. Valve reworked as a part of routine maintenance during vendor testing. Replacement valve is SN BS-08567. 10. Repair/Replacement Work Organization: NWS Technologies 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 ⊠ NO 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 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. 3JRCEPSV0203 N/A BS-08567 N/A N/A Disc APN 45020245 ADP14 N/A MR 889439 15/06 Printed Name: Barbara Vidal Printed Name: R. P. INDAP Log Entry RPP Printed Name: R.G. 40GSTROM 4-18-06 20. ANII

	ASME SECTIO	N XI – REPAIR / RE		age 2 of 2
1. Component ID 3JRCEP	SV0200			
2 Item Description: Press		2		
3. N-5 Data Package Number	er: <u>3RC03-3</u>	4. W.O. Number	r: <u>2817230</u>	e.
5. Original Construction Co				
6. Original Installation Cod				,
7. Work Description: <u>Val</u>	ve reworked as a part of r	the state of the s	· ·	
8. 🗌 İSI Flaw		NDE Method of Flaw	Detection:	
		Report Number:	rò.	
9. Evaluation of the suitabil			*	
No failure of ASME III	pressure boundry. Valve	reworked as a part of routing	e maintenance during ve	endor testing.
Replacement valve is SI	N BS-08614.			
		•		
			·	•
10. Repair/Replacement Wo	. •	- · ·		. ,
11. Replacement Items Con				
12. Repair/Replacement Ac	•		4 Edition 1975 Winter A	Addenda
13. ASME Section XI Code	• -	and 1992 Addenda		**
14. Preservice Inspection Re	equired:	☐ YES 🖾 N	0	
Initial Date S	4/15/06 If requir	red, include a step in the W.	O. to perform Preservice	Inspection
15. ASME Section XI Press	• •	N YES . MIN	10	•
B1/: .	1 1.	red, include a step in the W.	O for ISI & ANII Inspe	ction
Initial <u>IOV</u> Date	113/08			
Initial BV Date	4/15/06 16. Incl	ude a step in the W.O. to co	omplete NIS-2 Form price	or to releasing the
Initial By Date 4	1/15/06 17. Incl	ude a step in the W.O. to re	cord below all applicable	e numbers for repaired or
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
3JRCEPSV0200	N/A	BS-08614	N/A	N/A
Bellows	APN 45490005	01060102	N/A	MR 820816
			<del>-  </del>	
• •	·			
18. Planner Bui	en 4/1	15/06 Printed Name	e: Barbara Vidal	
19. ISI Finda Signature	P 14/17	7/06 Printed Name	RPINDAF	Log Entry RPL
	~ . 4-		:: R.G. 40ast	2 oM
20. ANII W Agrance		Date Printed Name		

### 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	ona Public Service	Company, et. al.	•		Date: 4-	17-2006		مخبر
<u>P. O.</u>	Box 53999, Phoer	nix Arizona 85072-2	2034	•	Sheet:	1 of 2	• • • • • • • • • • • • • • • • • • • •	
2. Plant: Palo	Verde Nuclear Ger	nerating Station			Unit: 3		*. *	
<u>5801</u>	South Wintersburg	g Road., Tonopah, A	Arizona 853	<u>54-7529</u>	Work Ord	ier Numbe	er <u>2817230</u>	· .
3. Work Perform	ned by: <u>NWS Techno</u>	ologies			Type of C	Code Stamp	p None	•
•			<i>;</i>	•	Authoriza	tion No.	<u>N/A</u>	
; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	 				Expiration	n Date N	<u>/A</u>	•
4. Identification of	of System: RC: Rea	actor Coolant System			٠		,	
5. (a) Applicable	Construction Code	ASME Section III NE	B, Class 1	1974 Edition	ı, <u>Summer</u>	<u>1975</u> Add	ienda, <u>n/a</u> Code	Case
(b) Applicable	e Edition of Section	XI Utilized for Repair	rs or Replace	ments: <u>199</u>	2 Edition	<u>, 1992 A</u> c	<u>ddenda</u>	
6. Identification of	of Components Repa	aired or Replaced and	Replacement	t Componen	ts	·	·	
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Oth Identifi		Year Built	Repaired or Replacement	ASME Code Stamped (Yes or
***		72.00(14	37/4	2 m Cuper	22200	1001		No)
PSV	Dresser	BS-08614	N/A	3JRCEPS\	· · ·	1981	Repaired	YES
Bellows	Dresser	01060102	N/A	3JRCEPS\	/0200	2006	Replacement	NO
· · · · · · · · · · · · · · · · · · ·								
PSV	Dresser	BS-08567	N/A	3JRCEPSV	/0203	1978	Repaired	YES
Disc	Dresser	ADP14	N/A	3JRCEPSV	/0203	2003	Replacement	NO
					-			
					· · .			
7. Description of \	Work: Valve overl	haul and testing of s	pare pressu	rizer safety	valves at	off-site	test facility.	
8. Test Conducted	l: Hydrostatic	Pneumatic [	☐ Nomi	inal Operatin	ig Pressure	: 🗆	Exempt 🛛	
N-4	416-2	r Pressure <u>rela</u> psi	i		Test Tem	perature	<u>∽lλ</u> ∘ <sub>F</sub>	
		form of lists, sketche I thru 6 on this repor						

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

FORM NI	S-2 (Back)
9. Remarks: WO# 2817230 used on spare pressurizer safety val S/N BS-08567 & BS-08614 had code parts replaced.	ves to overhaul and test at a off-site repair facility.
:, f	
Pre-Pressured Test WO Review – ISIN/A	
ANII N/A	
	~
Certificate of	Compliance
We certify that the statements made in the report are correASME Code, Section XI.	ect and this replacement conforms to the rules of the
Type Code Symbol StampN/A	<del></del>
Certificate of Authorization No. N/A	Expiration Date: N/A
Signed: Phologo, Sr. (Ensulting Engl) Owner or Owner's Designee, Title	Date: 4/17/06.
CERTIFICATE OF INSE	RVICE INSPECTION
I, the undersigned, holding a valid commission issued by Inspectors and the State or Province of Arizona and emplications are components described in this Owner's report o, and state that to the best of examinations and taken corrective measures described requirements of the ASME Code, Section XI.	oyed by HSB CT of Hartford, Connecticut, have out during the period of
By signing this certificate, neither the Inspector nor his er concerning the examinations and corrective measures describe Inspector nor his employer shall be liable in any manuloss of any kind arising from or connected with this inspec	cribed in this Owner's report. Furthermore, neither ner for any personal injury or property damage or a
Inspectors Signature	Commissions: NB 9685 "N" "I" AZ264  National Board, State, Province, and Endorsements
Date: 4-18-06	

100000

# 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

Continue   Continue
Type   OS473
Type   OS-#-3   ASME SEST NICONEL X750   170 (Instite stangin)   (CR1)   (CR1)   (CR1)   (CR2)   (CR
AS:IE Code Section III, Division 1:    1974
Cate of the control
Com. thickness (in.)   N/A   Min. design thickness (in.)   N/A   Dia, ID (ft. & In.)   N/A   Length overall (ft. & In.)
### Part or Appurtenance Serial Number 1   National Board No. In Numerical Order      **Part or Appurtenance Serial Number 1   National Board No. In Numerical Order     **ADP13   **Part or Appurtenance Serial Number 2   National Board No. In Numerical Order     **ADP14
Part or Appurtenance   Serial Number   National   Board No.   In Numerical Order
### Part or Appurtenance Serial Number 1   National Board No. In Numerical Order      **Part or Appurtenance Serial Number 1   National Board No. In Numerical Order     **ADP13   **Part or Appurtenance Serial Number 2   National Board No. In Numerical Order     **ADP14
Part or Appurtenance   Serial Number   National   Board No.   In Numerical Order
Serial Number
Serial Number   Board No.   In Numerical Order
(26) : (27) : (28) : (28) : (29) : (30) : (31) : (32) : (33) : (35) : (35) : (35) : (36) : (37) : (36) : (37) : (36) : (37) : (37) : (37) : (38) : (38) : (39) : (39) : (39) : (39) : (40) : (41) : (42) : (43) : (44) : (45) : (44) : (45) : (44) : (45) : (44) : (45) : (44) : (45) : (44) : (45) : (46) : (46) : (46) : (47) : (48) : (4
2) ADP14 3,555.7  (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45)
(29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45)
(30) (31) (32) (33) (34) (35) (35) (36) (37) (36) (39) (40) (41) (42) (43) (44) (44)
(31) (32) (33) (34) (35) (36) (37) (36) (39) (40) (41) (42) (43) (44) (44)
(33) (34) (35) (36) (37) (38) (39) (40) (41) (41) (42) (43) (44) (44) (45)
(34) (35) (36) (37) (37) (38) (39) (40) (41) (41) (42) (43) (43) (44) (44)
(36) (37) (36) (39) (40) (41) (42) (43) (44) (44)
(37) (38) (39) (40) (41) (42) (43) (44) (45)
(35) (39) (40) (41) (42) (43) (44) (45)
(40) (41) (42) (43) (44) (45)
(41) (42) (43) (44) (45)
(42) (43) (44) (45)
(44) (45)
(45)
1 (47)
(43)
(49) (50)

ed 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 )

		. Gerdfigate Holder's Sei	fai Nos. APP13 /	<u>ili</u> cina
	OBRITIFICATION O	F DESIGN	•	<del></del>
Design specifications benified by	NUA (when applicable)	P.E. Stata .	NA Reg. No.	N/A
Design reports certified by	WA (when applicable)	P.E. Stata	N/A Rag. No.	N/A
	CERTIFICÁTE OF COM	ipliance		,
We certify that the statements made in this a conforms to the rules of construction of the a		e) <u>DISC</u>		·
NIFT Certificate of Authorization No.	N-2434	Expires	5/20/2004	<del></del>
Date <u>9-22-03</u> Name	SEE LINE 1 (NPT Certificate Holder)	signed Jessey	(authorized representative)	••
•	CERTIFICATE OF INS	PECTION		
I, the undersigned, holding a valid commission of LOUISIANA and employ	on Issued by the National Board of Bo yed by HSB CT	iler and Pressure Vessel in	spectors and the State or I	Province
	cted these items described in this Da ate Holder has fabricated these parts orized for stamping on the date show or nor his employer makes any warra inspector nor his employer shall be list	or appurtenances in accord n above. nly, expressed or implied, c	dance with the ASME Code onceming the equipment of	e, Section described
Date 9/22/03 Signed BO	Comm	issions (Narl Bd. (Incl. er	ndorsements) and state or prov	and no.)

#### ASME SECTION XI - REPAIR / REPLACEMENT Page 1. Component ID 3MEWAE01 2.. Item Description: Essential Cooling Water Heat Exchanger "A" 3. N-5 Data Package Number: 3EW01-1 . 4. W.O. Number: 2823753 5. Original Construction Code Edition: 1974 Edition, Winter 1975 Addenda 6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda 7. Work Description: Perform Weld Repair to Heat Exchanger Channel Area 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: Weld repair required after inspection of the metal surfaces prior to periodic coating, there was no failure of the Code Pressure Boundary. 10. Repair/Replacement Work Organization: Arizona Public Service 11. Replacement Items Construction or reconciled Code/Edition: Sec. III Cl 3, 1974 Edition 1975 Winter Addenda 12. Repair/Replacement Activity Construction Code/Edition: Sec. III Cl. 1974 Edition 1975 Winter Addenda 13. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda YES 14. Preservice Inspection Required: If required, include a step in the W.O. to perform Preservice Inspection 15. ASME Section XI Pressure Test Required: ⊠ YES 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 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. 3MEWAE01 N/A N/A N/A N/A Printed Name: RP Indap Log Entry RPD 4/21/06 18. Planner Printed Name: RG. HOGSTROM

Date

							ويسرم بمسين كالأناه
1. Owner: Arizo	ona Public Service	Company, et. al.		Date	: 04/21/200	06	
<u>P. O.</u>	Box 53999, Phoeni	ix Arizona 85072	<u>-2034</u>	Sheet	t: <u>1</u> of	2	
2. Plant: Palo	Verde Nuclear Gen	erating Station		Unit:	: <u>3</u>	1	
5801 5	South Wintersburg	Road., Tonopah,	Arizona 853	<u>54-7529</u> Worl	c Order Nur	mber 2823753	
3. Work Performe	ed by: Arizona Public	c Service		Туре	of Code St	tamp <u>None</u>	
		•	- / · · · ·	Autho	orization No	o. <u>N/A</u>	•
				Expir	ration Date	<u>N/A</u>	
4. Identification o	of System: Essential	I Cooling Water Sy	stem, ASME S	lection III, Class 3	<u>.</u>		
5. (a) Applicable	Construction Code A	ASME Section III 1	VD, Class 3	<u>1974</u> Edition, <u>Wir</u>	nter 1975 A	.ddenda, C	ode Case
(b) Applicable	e Edition of Section X	KI Utilized for Rep	airs or Replace	ments: <u>1992 Edi</u>	ition, 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
1, - 							(Yes or NO)
A EW Ht Ex.	Struthers Wells Corp.	1-76-06-32915-1	N/A	3MEWAE01	1980	Repaired	YES
				·			
	·					·	
**							
	·						
7. Description of V	Work: Material Rep	pair					
3. Test Conducted:	: Hydrostatic	☐ Pneumatic	☐ Nomi	nal Operating Pres	ssure 🔲	Exempt	
N-4	116-2 🛛 Other	Pressure p	ısi	Test	Temperatur	re °F	
* * ***							
inches, (2) info	emental sheets in foormation in items 1 of sheets is recorde	thru 6 on this repo	ort is included				

	FORM NIS-2 (Back)
9.	Remarks: Perform weld repair to corroded areas of the Ht Ex. Channel area IAW W.O. 2823753 after Engineering Inspections.
P	re-Pressured Test WO Review - ISI Refinday 4/24/06 "  ANII 25 / 4-28-06
	Certificaté 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
ŀ	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 4-21-06 to 4-21-06, 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

V Inspectors Signature

4.24-06

	ASME SECTION	AI - REPAIR / REPI		
			Page	e1of1_
<ol> <li>Component ID <u>3MEWB</u></li> <li>Item Description: <u>Essen</u></li> </ol>	··································	changer "D"	•	•
3. N-5 Data Package Number	•	4. W.O. Number:	2823757	
5. Original Construction Co	4 19"		<u> </u>	<b>.</b>
6. Original Installation Cod			•	*
7. Work Description: Per			nge Area″	
8. ISI Flaw		NDE Method of Flaw De	<del>-</del>	
	•	Report Number:		
9. Evaluation of the suitabil	ity of this work as per the re	equirements of IWA - 4150:		
Weld repair required aft	er inspection of the metal si	urfáces prior to periodic coa	ting, there was no fail	ure of the Code
Pressure Boundary.	•	• •		•
10. Repair/Replacement Wo	rk Organization: Arizona	Public Service		,
11. Replacement Items Cons	struction or reconciled Code	e/Edition: Sec. III Cl 3, 19	74 Edition 1975 Wint	er Addenda
12. Repair/Replacement Act	ivity Construction Code/Ed	lition: Sec. III Cl 3, 1974 1	Edition 1975 Winter A	Addenda
13. ASME Section XI Code	Edition: 1992 Edition a	nd 1992 Addenda		
14. Preservice Inspection Re	quired:	☐ YES : ☑ NO		
Tailing AND Day -	1/2/06 If required	l include a stan in the TV O	to masfarus Danas milia	Tananatian
<b>/</b> • •		l, include a step in the W.O.	to perform Preservice	inspection
15. ASME Section XI Press	-	✓ YES □ NO		
Initial Date 4	1/2/06 If required	I, include a step in the W.O.	for ISI & ANII Inspe	ction.
	16 Includ	le a step in the W.O. to com	plete NIS-2 Form pric	or to releasing the
Initial Date	, , componen	t.	:	
Initial All Date 4		le a step in the W.O. to reco	rd below all applicable	e numbers for repaired or
1.0			Track NV	LAM MONIONI
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No
3MEWBE01	N/A	N/A	N/A	N/A
V\$\$*				
<del></del>				<del></del>
		<del>                                     </del>		
······································		<u> </u>		<u> </u>
11/4	last	60	11. 1 -1	/ a
18. Planner Signature	7/2	Printed Name:	HERBERI L.	CLEEN  WeLog Entry PUB
(1)	1 1 4	71.	<i>a</i>	· · · · · · · · · · · · · · · · · · ·
19. ISI	6/0/	166 Printed Name:	C.L.KRACOWI	MH og Entry
(Signature	. "Д	Pate		
0. ANII 74 47	in 4:	7-06 Printed Name:	R.G. HOGSTR	оң .
Signature				
O'Briature (	D	ate		710P-97Z17 Ray 9

(

<del></del>							
1. Owner: Arizo	ona Public Service (	Company, et. al.	•	Date	: 04/07/200	.06	, we will be a second of the s
<u>P. O. ]</u>	Box 53999, Phoeni	ix Arizona 85072	<u>2034</u>	Shee	t: <u>1</u> of ·	· <u>2</u>	
2. Plant: Palo V	Verde Nuclear Gen	erating Station	•	Unit:	<u>3</u> "	• .	•
5801.5	South Wintersburg	Road., Tonopah.	, Arizona 853	<u>54-7529</u> Worl	c Order Nur	mber 2823757	
3. Work Performe	ed by: Arizona Public	c Service	•	Туре	of Code St	tamp <u>None</u>	,
	•		•	Auth	orization No	o. <u>N/A</u>	
		•		Expir	ration Date	<u>N/A</u>	
4. Identification o	of System: Essential	Cooling Water Sy	stem, ASME S	Section III, Class 3	<u>.</u>	•	
5. (a) Applicable	Construction Code A	ASME Section III 1	ND, Class 3	1974 Edition, Wir	<u>iter 1975</u> A	.ddenda,C	Code Case
(b) Applicable	Edition of Section X	KI Utilized for Repa	airs or Replace	ments: 1992 Edi	tion, 1992	. Addenda	•
6. Identification of	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
42.4 444					1		(Yes or NO)
B EW Ht Ex.	Struthers Wells Corp.	1-76-06-32915-2	14611	3MEWBE01	1980	Repaired	YES
		·	·				
						2	
	,						
7. Description of V	Work: Material Rep	pair		:			· .
8. Test Conducted:	: Hydrostatic	Pneumatic	☐ Nomi	inal Operating Pres	ssure 🗌	Exempt	
N-4	116-2 🛛 Other 1	Pressure 47 p	si	Test	Temperatur	re <u>62</u> °F	•
		<b>1</b>	•	: .		· .	
inches, (2) infor	emental sheets in foormation in items 1 of sheets is recorded	thru 6 on this repo	ort is included				

FORM	I NIS-2 (Back)
9. Remarks: Perform weld repair to corroded areas of the West end IAW W.O. 2823757 after Engineering Inspec	ne Ht Ex. Channel Head, Channel Flange and Channel Door on the
, ji	
Pre-Pressured Test WO Review – ISI	<i>"</i>
ANII	<u> </u>
Contigue	-to of Columbianos
Certific	ate of Compliance
We certify that the statements made in the report a ASME Code, Section XI.	are correct and this replacement conforms to the rules of the
Type Code Symbol StampN/	<u>'A</u>
	/A Expiration Date: N/A
Signed: Willy Auto	151° ENGLOADate: 4-17-06
Owner or Owner's Designee, Titl	
CERTIFICATE OF	INSERVICE INSPECTION
	ssued by the National Board of boiler and Pressure Vessel and employed by <u>HSB CT</u> of <u>Hartford, Connecticut</u> , have r's report during the period of
to 4-17-06, and state that to the	best of my knowledge and belief, the Owner has performed scribed in this Owner's Report in accordance with the
concerning the examinations and corrective measu	or his employer makes any warranty, expressed or implied, ares described in this Owner's report. Furthermore, neither my manner for any personal injury or property damage or a s inspection.
Red Anti-Conspectors Signature	Commissions: NB 9685 "N" "T" AZ264 National Board, State, Province, and Endorsements
■ • • • • • • • • • • • • • • • • • • •	

	ASME SECTION	XI - REPAIR / RE	PLACEMENT	
			Pa	ge\_of\
1. Component ID 3PCHB	<u>V331</u>			
	org Warner Lift Check valve			
3. N-5 Data Package Numb		4. W.O. Number	r: <u>2824134</u>	44
i	ode Edition: 1974 Edition.			,
-	de Edition: <u>1974 Edition, W</u>		t lankara //	•
8. ISI Flaw	move seal weld to allow for	NDE Method of Flaw		•
	•	Report Number:		
9. Evaluation of the suitabi	lity of this work as per the re		50:	• • •
Not a failure of the AS	ME III pressure boundary. No	eed to remove and restor	e bonnet seal weld for ins	pection and rework of
check valve internals.				
		• •		
	•		· :	
10. Repair/Replacement W	ork Organization: Arizona	Public Service	•	•
11. Replacement Items Con	nstruction or reconciled Code	/Edition: Sec. III Cl 2,	1974 Edition 1975 Winte	r Addenda
• •	ctivity Construction Code/Ed		4 Edition 1975 Winter A	<u>ddenda</u>
13. ASME Section XI Code	E/Edition: 1992 Edition an	d 1992 Addenda	•	•
14. Preservice Inspection R	equired:	☐ YES 🖾 N	0	
Initial Dag Date	2-9.05 If required	, include a step in the W.	O. to perform Preservice	Inspection
15. ASME Section XI Press		☐ YES ⊠ N	-	
•		include a step in the W.	O. for ISI & ANII Inspec	tion.
Initial May Date 1	16 70-10-1	_	omplete NIS-2 Form prior	
Initial Date	2-9-05 component	<del>-</del>	implete 1415-2 Form prior	to releasing the
11 Our	- 17 Include	e a sten in the WO to re	cord below all applicable	numbers for repaired or
Initial Date	2-9-05 replacement		· · · · · · · · · · · · · · · · · · ·	
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
Valve	N/A	69642	N/A	N/A
Seal Weld	N/A	N/A	N/A	N/A
DISC	APN # 45020217	33	C 5701- A	MR#1088165
·				
				<del>                                     </del>
<u></u>				<u> </u>
				<u></u>
18. Planner Dawn.	Douglet 12-9-	95 Printed Name	e: David Goodlet	•
Signature		ate I I I I I I I I I I I I I I I I I I I	. paria Cocaret	
10 - 10	nonow 12/9/1	as	Ala Mara	17 - 17-1-1
9. ISI Signature		Printed Name	: Alan Morrou	_ Log Entry
<i>1.</i>			0 1 1	-0
0. ANII XD troton	12-4 Da	Printed Name	ROBERT G. HOCK	SIKON

1. Owner: Ariz	ona Public Service	Company, et. al.		Date: 1'	2/09/2005		
<u>P. O.</u>	Box 53999, Phoen	nix Arizona 85072-2	<u> 2034</u>	Sheet:	1 of 2	*** **********************************	•
2. Plant: Palo	Verde Nuclear Gen	nerating Station		Unit: 3		•	
<u>5801</u>	South Wintersburg	g Road., Tonopah, A	Arizona 853	154-7529 Work Or	der Numb	er <u>2824134</u>	
3. Work Perform	ned by: <u>Arizona Publi</u>	ic Service		Type of (	Code Stam	p <u>None</u>	
	•		*	Authoriz	ation No.	<u>N/A</u>	
	•			Expiratio	on Date N	<u>V/A</u>	
4. Identification	of System: CH: Che	emical and Volumn Co	ontrol System	<u>m</u>		1	
5. (a) Applicable	Construction Code	ASME Section III NO	C. Class 2	1974 Edition, Winter	<u>1975</u> Adde	enda, Cod	le Case
(b) Applicable	e Edition of Section 7	XI Utilized for Repair	rs or Replace	ements: 1992 Edition	ı, 1992 A	<u>ddenda</u>	,
6. Identification of	of 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
•		<u> </u>	<u> </u>	<del> </del>	<del></del>		(Yes or No)
Valve	Borg Warner	69642	N/A	3PCHBV331	1981	Repaired	YES
Seal Weld	N/A	N/A	N/A	3PCHBV331	2006	Replacement	NO .
DISC	Book Whence	33	N/s	3PCHBV33)	2006	REPLACEMEN	CAN
		· ·			, , , , , , , , , , , , , , , , , , ,		
· ·	4),0			·			
	٠,						
. Description of V	Work: Removal of	seal weld for valve	internal in	spection & rework fo	or seat lea	akage.	
. Test Conducted:	: Hydrostatic	Pneumatic	] Nomi	inal Operating Pressure	<b>c</b> 🔲 1	Exempt 🗵	
N-4	416-2  Other 1	Pressure psi		Test Ten	operature	<u> </u>	
		1	•				•.
inches, (2) info	ormation in items 1		rt is included	ngs may be used proed on each sheet, and			

	FORM NIS-2 (Back)
. Remarks: Work Order# 2824;	34 on valve 3PCHB /331 for rework due to seat leakage. The bonnet seal weld needs to
be removed and replaced to sur	pport this work.
	After the second of the second
re-Pressured Test WO Review	- ISI <i>N/A</i>
	ANII MA
	Certificate of Compliance
	Certificate or Comphanics
We certify that the statements ASME Code, Section XI.	s made in the report are correct and this replacement conforms to the rules of the
Type Code Symbol Stamp	N/A
Certificate of Authorization N	No N/A Expiration Date: N/A
and Alle	151 ENGINEER Date: 4-20-06
Signed: Own	ner or Owner's Designee, Title
,	on Oracle & Designer, 1100
CERT	TIFICATE OF INSERVICE INSPECTION
CERT	TIFICATE OF INSERVICE INSPECTION
Harris Marie	
I, the undersigned, holding a	valid commission issued by the National Board of boiler and Pressure Vessel
I, the undersigned, holding a Inspectors and the State or Pro	valid commission issued by the National Board of boiler and Pressure Vessel rovince of Arizona and employed by HSB CT of Hartford, Connecticut, have
I, the undersigned, holding a Inspectors and the State or Proinspected the components des	valid commission issued by the National Board of boiler and Pressure Vessel
I, the undersigned, holding a Inspectors and the State or Prinspected the components des to, examinations and taken corrections.	valid commission issued by the National Board of boiler and Pressure Vessel rovince of <u>Arizona</u> and employed by <u>HSB CT</u> of <u>Hartford</u> , <u>Connecticut</u> , have scribed in this Owner's report during the period of <u>12-9-05</u> and state that to the best of my knowledge and belief, the Owner has performed rective measures described in this Owner's Report in accordance with the
I, the undersigned, holding a Inspectors and the State or Proinspected the components desto, examinations and taken corrections.	valid commission issued by the National Board of boiler and Pressure Vessel rovince of <u>Arizona</u> and employed by <u>HSB CT</u> of <u>Hartford</u> , <u>Connecticut</u> , have scribed in this Owner's report during the period of <u>12-9-05</u> and state that to the best of my knowledge and belief, the Owner has performed rective measures described in this Owner's Report in accordance with the
I, the undersigned, holding a Inspectors and the State or Proinspected the components desto ————————————————————————————————————	valid commission issued by the National Board of boiler and Pressure Vessel rovince of <u>Arizona</u> and employed by <u>HSB CT</u> of <u>Hartford</u> , <u>Connecticut</u> , have scribed in this Owner's report during the period of <u>12-9-05</u> and state that to the best of my knowledge and belief, the Owner has performed rective measures described in this Owner's Report in accordance with the
I, the undersigned, holding a Inspectors and the State or Proinspected the components desto, examinations and taken corrections.	valid commission issued by the National Board of boiler and Pressure Vessel rovince of <u>Arizona</u> and employed by <u>HSB CT</u> of <u>Hartford</u> , <u>Connecticut</u> , have scribed in this Owner's report during the period of <u>12-9-05</u> and state that to the best of my knowledge and belief, the Owner has performed rective measures described in this Owner's Report in accordance with the
I, the undersigned, holding a Inspectors and the State or Prinspected the components des to, examinations and taken correquirements of the ASME Co	valid commission issued by the National Board of boiler and Pressure Vessel rovince of <u>Arizona</u> and employed by <u>HSB CT</u> of <u>Hartford</u> , <u>Connecticut</u> , have scribed in this Owner's report during the period of <u>12-9-05</u> and state that to the best of my knowledge and belief, the Owner has performed rective measures described in this Owner's Report in accordance with the
I, the undersigned, holding a Inspectors and the State or Proinspected the components desto ————————————————————————————————————	valid commission issued by the National Board of boiler and Pressure Vessel rovince of Arizona and employed by HSB CT of Hartford, Connecticut, have scribed in this Owner's report during the period of
I, the undersigned, holding a Inspectors and the State or Proinspected the components desto ————————————————————————————————————	valid commission issued by the National Board of boiler and Pressure Vessel rovince of Arizona and employed by HSB CT of Hartford, Connecticut, have scribed in this Owner's report during the period of
I, the undersigned, holding a Inspectors and the State or Proinspected the components desto ————————————————————————————————————	valid commission issued by the National Board of boiler and Pressure Vessel rovince of Arizona and employed by HSB CT of Hartford, Connecticut, have scribed in this Owner's report during the period of
I, the undersigned, holding a Inspectors and the State or Proinspected the components desto ————————————————————————————————————	valid commission issued by the National Board of boiler and Pressure Vessel rovince of Arizona and employed by HSB CT of Hartford, Connecticut, have scribed in this Owner's report during the period of
I, the undersigned, holding a Inspectors and the State or Proinspected the components desto ————————————————————————————————————	valid commission issued by the National Board of boiler and Pressure Vessel rovince of Arizona and employed by HSB CT of Hartford, Connecticut, have scribed in this Owner's report during the period of
I, the undersigned, holding a Inspectors and the State or Proinspected the components desto ————————————————————————————————————	valid commission issued by the National Board of boiler and Pressure Vessel rovince of Arizona and employed by HSB CT of Hartford, Connecticut, have scribed in this Owner's report during the period of

	ASME SECTION	XI – REPAIR / REP	LACEMENT	
			Pag	eor
<ul><li>3. N-5 Data Package Number</li><li>5. Original Construction Construction</li></ul>	ALPSI Header Loop Injection or: 3RC01-3 de Edition: 1974 Edition, Super Edition,	4. W.O. Number: Winter 1975 Addenda ummer 1975 Addenda	2824821 t seat leakage	
	•	Report Number:	· ·	
9. Evaluation of the suitabil  Seat leakage - No ASM	•	quirements of IWA - 4150	) <b>:</b>	
10. Repair/Replacement Wo			974 Edition 1975 Winter	Addenda
<ul><li>12. Repair/Replacement Act</li><li>13. ASME Section XI Code</li><li>14. Preservice Inspection Re</li></ul>	ivity Construction Code/Edition: 1992 Edition and	tion: Sec. III Cl 1, 1974	Edition 1975 Winter Add	<del></del>
Initial J.O Date A.  15. ASME Section XI Press  Initial J.O Date A.  Initial J.O Date A.  Initial J.O Date A.	If required.  If required,  If sequired,  If	YES NO include a step in the W.O. a step in the W.O. to con a step in the W.O. to reco	of the following of the	on. o releasing the numbers for repaired o
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No
BONNET/DISC ASSENBLY	45060195	14/8	3062/2970	2860075
	,			

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

As Required by the Provisions of the ASME Code Section XI

			سنسيد				
1. Owner <u>Arizona</u>	a Public Service Co	dmpany, et. al.		Date		04/28/0	6
P.O. Bo	x 53999. Phoenix.	Arizona 8507 Address	2-2034	Shee	t	1 of	2
2. Plant Palo Ve	erde Nuclear Gener			Unit .		3	
``		Name -				2824821	
		Address				. Work Order Numbe	ır
3. Work Performed b	by Arizona Public	Service Name	· -	Type (	Code Sy	mbol Stamp	None
		Verific		Autho	rization I	No1	N/A
5801 S.	Wintersburg Rd.,		35354-752 <u>9</u>	) Expira	tion Dat	le <u>N</u>	I/A
4. Identification of Sy	O-C T	Address jection		. •	· .		1
			74	11/0/			
5. (a) Applicable Co.	nstruction Code ASN	ΛΕ Section III	19 /4	Edition, W/3	Add	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, _	<u>92</u> Adde	enda
6. Identification of Co	omponents Repaired o	r Replaced and R	leplacement (	Components			. :
Name of Item	Name of Manufacturer	Manufacturer Serial No.		Other Identificatio	Year Built		ASME Code Stamped It (Yes or No)
// Valve	Borg-Warner	51031	1608	3PSIEV541	1979	Repaired	Yes
Disc - removed	Borg-Warner	SN8	NA	HT#3L96	1979	Repaired	Yes
Bonnet - removed	Borg-Warner	SN18 .	NA	HT#3C67	1979	Repaired	Yes
Disc - installed	Borg-Warner	SN8	NA	HT#2G70	*	Replacement	No
Bonnet - installed	Borg-Warner	SN14	NA	HT # 3C62	*	Replacement	No
						:	
					•		
· ·	<u></u>	<u></u>			<u></u>	<u> </u>	
7. Description of Worl	k Replaced the bor	nnet and disc a	issembly.	{* note remains	ırks on	Page 2}	
3. Test Conducted:	Hydrostatic P	neumatic 🔲 🛚 I	Nominal Ope	erating Pressure	e <b>Z</b> i	Exempt	N-416-1 🔲
	Other 🔲	December > 01	2 nei		Test Te	emo. Not	°E
	Otner	Pressure > 213	SO hai	· . ·	162116	amp	<b>–</b> •
JOTE: Sunnlament	tal sheets in form of	lists, sketches	or drawings	may be used	. provic	ded (1) size is 8	3 1/2 x 11 in

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

730P-9ZZ17

### FORM NIS-2 (Back)

2824821 1:4-21-06		
. Remarks Work Order 2864512 replaced the bonnet and disc.	accomply with the accomply from 1001	ι. Ε <i>λίε 4</i> 0
The installed assembly was removed by work order		
2860075		
		<del></del>
Pre-Pressure Test Review: ISI Office ANII	۵	
CERTIFICATE OF COM	IPLIANCE	
We certify that the statements made in the report are correct	and this replacement conforms to the	e rules
of the ASME Code, Section XI.	repair or replacement	
		•
Type Code Symbol Stamp N/A		
Certificate of Authorization No. N/A	Evaluation Date N/A	
Certificate of Authorization No. N/A	Expiration Date N/A	
Signed NULL	Date <u>5/(0/0(</u>	
Owner or Owner's Designee, Title	( (	
<u> </u>	·	<del></del>
		٠.
	•	
CERTIFICATE OF INSERVIC	E INSPECTION	
I, the undersigned, holding a valid commission issued by the N	National Board of Boiler and Pressure V	'essel
I, the undersigned, holding a valid commission issued by the N Inspectors and the State or Province of محمده and emp	National Board of Boiler and Pressure V National Board of Boiler and Pressure V	<u></u> .
I, the undersigned, holding a valid commission issued by the North Inspectors and the State or Province of National and emptor Hartford. Connecticut, have inspected the components.	National Board of Boiler and Pressure V loyed by <u>HSB CT</u> ents described in this Owner's Report d	uring
I, the undersigned, holding a valid commission issued by the North Inspectors and the State or Province of Newson and empore of Hartford. Connecticut, have inspected the component the period 11-23-05 to 5-10-06, and	National Board of Boiler and Pressure V loyed by <u>HSB CT</u> ents described in this Owner's Report d d state that to the best of my knowledge	uring and
I, the undersigned, holding a valid commission issued by the N Inspectors and the State or Province of and emplof Hartford. Connecticut, have inspected the compone the period to to, and belief, the Owner has performed examinations and taken corre	National Board of Boiler and Pressure Volume by HSB CT ents described in this Owner's Report do state that to the best of my knowledge ective measures described in this Owner	uring and
I, the undersigned, holding a valid commission issued by the North Inspectors and the State or Province of Newson and empore of Hartford. Connecticut, have inspected the component the period 11-23-05 to 5-10-06, and	National Board of Boiler and Pressure Volume by HSB CT ents described in this Owner's Report do state that to the best of my knowledge ective measures described in this Owner	uring and
I, the undersigned, holding a valid commission issued by the N Inspectors and the State or Province of and emplof Hartford. Connecticut, have inspected the compone the period to to, and belief, the Owner has performed examinations and taken corre	National Board of Boiler and Pressure Voloyed by HSB CT ents described in this Owner's Report of state that to the best of my knowledge ective measures described in this Owner, Section XI.	uring and
I, the undersigned, holding a valid commission issued by the N Inspectors and the State or Province of and emplof Hartford. Connecticut, have inspected the compone the period to to, and belief, the Owner has performed examinations and taken corre	National Board of Boiler and Pressure Voloyed by HSB CT ents described in this Owner's Report do state that to the best of my knowledge ective measures described in this Owner, Section XI.	uring and er's
I, the undersigned, holding a valid commission issued by the North Inspectors and the State or Province of Nanzana and employ Hartford. Connecticut, have inspected the component the period 11-23-05 to 5-10-06, and belief, the Owner has performed examinations and taken correspond in accordance with the requirements of the ASME Code	National Board of Boiler and Pressure Voloyed by HSB CT ents described in this Owner's Report of state that to the best of my knowledge ective measures described in this Owner, Section XI.	uring and er's
I, the undersigned, holding a valid commission issued by the North Inspectors and the State or Province of Narional and employ Hartford. Connecticut, have inspected the component the period 10-23-05 to 5-10-06, and belief, the Owner has performed examinations and taken correspond in accordance with the requirements of the ASME Code By signing this certificate, neither the Inspector nor his employer.	National Board of Boiler and Pressure Voloyed by HSB CT ents described in this Owner's Report of the state that to the best of my knowledge ective measures described in this Owner, Section XI.  er makes any warranty, expressed or lead in this Owner's Report. Furthermore	during e and er's mplied,
I, the undersigned, holding a valid commission issued by the North Inspectors and the State or Province of National and employ Hartford. Connecticut, have inspected the component the period 10-23-05 to 5-10-06, and belief, the Owner has performed examinations and taken correspond in accordance with the requirements of the ASME Code By signing this certificate, neither the Inspector nor his employed concerning the examinations and corrective measures described.	National Board of Boiler and Pressure Voloyed by HSB CT ents described in this Owner's Report of state that to the best of my knowledge ective measures described in this Owner, Section XI.  The makes any warranty, expressed or like the control of	uring e and er's mplied,
I, the undersigned, holding a valid commission issued by the Normal Inspectors and the State or Province of Narional and employ Hartford. Connecticut Inspected the component the period Inspected the component the period Inspector Inspected the component the period Inspector I	National Board of Boiler and Pressure Voloyed by HSB CT ents described in this Owner's Report of state that to the best of my knowledge ective measures described in this Owner, Section XI.  The makes any warranty, expressed or like the control of	uring and er's
I, the undersigned, holding a valid commission issued by the North Inspectors and the State or Province of Narional and employ Hartford. Connecticut, have inspected the component the period 10-23-05 to 5-10-06, and belief, the Owner has performed examinations and taken correspond in accordance with the requirements of the ASME Code.  By signing this certificate, neither the Inspector nor his employer concerning the examinations and corrective measures describe neither the Inspector nor his employer shall be liable in any mandamage or a loss of any kind arising from or connected with the	National Board of Boiler and Pressure Voloyed by HSB CT ents described in this Owner's Report of state that to the best of my knowledge ective measures described in this Owner, Section XI.  Her makes any warranty, expressed or like the din this Owner's Report. Furthermore anner for any personal injury or property is inspection.	uring and er's mplied,
I, the undersigned, holding a valid commission issued by the Normal Inspectors and the State or Province of Narional and employ Hartford. Connecticut Inspected the component the period Inspected the component the period Inspector Inspected the component the period Inspector I	National Board of Boiler and Pressure Voloyed by HSB CT ents described in this Owner's Report of state that to the best of my knowledge ective measures described in this Owner, Section XI.  er makes any warranty, expressed or in ed in this Owner's Report. Furthermore anner for any personal injury or property is inspection.	uring e and er's mplied, e,
I, the undersigned, holding a valid commission issued by the North Inspectors and the State or Province of Narional and employ Hartford. Connecticut, have inspected the component the period 10-23-05 to 5-10-06, and belief, the Owner has performed examinations and taken correspond in accordance with the requirements of the ASME Code.  By signing this certificate, neither the Inspector nor his employer concerning the examinations and corrective measures describe neither the Inspector nor his employer shall be liable in any mandamage or a loss of any kind arising from or connected with the	National Board of Boiler and Pressure Voloyed by HSB CT ents described in this Owner's Report of state that to the best of my knowledge ective measures described in this Owner, Section XI.  Her makes any warranty, expressed or like the din this Owner's Report. Furthermore anner for any personal injury or property is inspection.	uring e and er's mplied, e,
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I, the undersigned, holding a valid commission issued by the North Inspectors and the State or Province of Narional and employ Hartford. Connecticut, have inspected the component the period 10-23-05 to 5-10-06, and belief, the Owner has performed examinations and taken correspond in accordance with the requirements of the ASME Code.  By signing this certificate, neither the Inspector nor his employer concerning the examinations and corrective measures describe neither the Inspector nor his employer shall be liable in any mandamage or a loss of any kind arising from or connected with the	National Board of Boiler and Pressure Voloyed by HSB CT ents described in this Owner's Report of state that to the best of my knowledge ective measures described in this Owner, Section XI.  er makes any warranty, expressed or in ed in this Owner's Report. Furthermore anner for any personal injury or property is inspection.	uring e and er's mplied, e,

	ASME SECTION	NXI – REPAIR / REPL	ACEMENT	1 1
			Pag	geof
1. Component ID 3PSIEV54	12			
2 Item Description: HPSI/I	PSI Header Loop Injecti	on Check Valve	•	• • • • • • • • • • • • • • • • • • • •
3. N-5 Data Package Number		4. W.O. Number: 2	824825	
5. Original Construction Cod				
6. Original Installation Code				,
7. Work Description: Rewo	ork or replace the bonnet	•		
8. ISI Flaw	•	NDE Method of Flaw Det	ection:	
O Embation of the suitability	af this mode as mosther	Report Number:		
9. Evaluation of the suitabilit	•	requirements of IWA - 4150:		
Seat leakage - No ASME	boundary failure		•	
	• .			
			•	e e e e e e e e e e e e e e e e e e e
· \	•		: `	er jage, e
10. Repair/Replacement Work			•	
11. Replacement Items Const			· ·	
12. Repair/Replacement Activ	-		dition 1975 Winter Ad	<u>ldenda</u>
13. ASME Section XI Code/E	· · · · · · · · · · · · · · · · · · ·	and 1992 Addenda	•	
14. Preservice Inspection Req	uired:	☐ YES 🔯 NO		•
Initial Date //-	>>-05 If require	d, include a step in the W.O. t	o perform Preservice I	Inspection
15. ASME Section XI Pressur		⊠ YES . □ NO		•
	· _ ·	d, include a step in the W.O. f	or ISI & ANII Inchect	ion
Initial J.O Date //	-03-03quil	<del>-</del>	• •	
Initial J. Date 14	25-05 16. Inclu	de a step in the W.O. to comp	lete NIS-2 Form prior	to releasing the
//		•		
Initial J.O Date 1/-	ا کمے حرد replaceme	de a step in the W.O. to record	l below all applicable	numbers for repaired or
7. 75	-			14
Item ID	Part No.	Serial No.	Heat No.	(MR/PO/WO No.
Bonnet + Arm + Disc	45060195	212898-8	μA	1079227
Massy		ASSENDEY S/N		
New Bonnes	76856	RS212708-8	N/ RPES	Page 27 of Proced
New Disc	76865	RS213340-7	A HAHO	
1000 0130	16607	KJZIJJTU /	<u> </u>	
· 1				
71	$\sim$	_ <del></del>	······································	<u> </u>
18. Planner	fa 11-3:		mes I. Davis	
Signature	,	Date		•
19. ISI Jory Staff		22-05 Printed Name: 4	ILEY AHLETELM	Log Entry 479
Signature		Date :		
01/			0 / 1	•
20. ANII ?			R.G. HOGSTROM	
Signature -	<u> </u>	Date		<u> </u>

1. Owner: Arizona	a Public Sérvice C	ompany, et. al.		Date:	04/28/20	006	
<u>P. O. B</u>	ox 53999, Phoenix	Arizona 85072-2	034	Sheet	: <u>1</u> of	<u>2</u> `.	
2. Plant: Palo Ve	rde Nuclear Gener	rating Station		Unit:	., 3	• •	
5801 So	outh Wintersburg R	Road., Tonopah, A	rizona 85354	<u>-7529</u> Work	Order Nu	mber 2824825	
3. Work Performed	by: Arizona Public	Service Co.		Туре	of Code S	tamp <u>None</u>	
	5801 S. Wintersl	burg Rd., Tonopah,	., Arizona, 8535	4-7529 Author	orization N	o. <u>N/A</u>	
· ·		÷		Expir	ation Date	<u>N/A</u>	
4. Identification of S	System: Safety Inje	ection (SI)				: ***	
5. (a) Applicable C	onstruction Code AS	SME Section III NE	Class 1	1974 Edition, Win	iter 1975 A	ddenda, <u>N/A</u> Cod	e Case
(b) Applicable E	dition of Section XI	Utilized for Repair	s or Replaceme	ents: 1992 Editio	on, 1992 A	<u>Addenda</u>	:
6. Identification of (	Components Repaire	d or Replaced and l	Replacement C	components		•	
Name of Item	Name of Manufacture	Manufacturer -Serial No.	National Board No.	Other Identification	Year Built	Repaired or Replacement	ASME Code Stamped
M.							(Yes or NO)
12" Check Valve	Borg Warner	63870	2286	3PSIEV542	1980	Repaired	Yes
Disc - removed	Borg Warner	S/N 12	N/A	Ht # 3L96	1980	Repaired	Yes
Bonnet - removed	Borg Warner	S/N 20	N/A	Ht # 3L97	1980	Repaired	Yes
Disc - installed	Borg Warner	S/N 212828-8	N/A	RS213340-7	1991	Replacement	Yes
Bonnet - installed	Borg Warner	S/N 212828-8	N/A	RS212708-8	1991 -	Replacement	Yes
. <u>-</u>					•		
		·					
7. Description of Wo	rk: Replaced the bo	nnet and disc assen	ably with a nev	v assembly			
3. Test Conducted: I	Hydrostatic	Pneumatic	Nominal Oper	ating Pressure	Exen	npt 🔲 N-416	-2 🔲
Other	Pressu	ure >2130 psi		Test	Temperatu	re <u>not</u> of	
NOTE: Supplem inches, (2) inform	nental sheets in for nation in items 1 th	m of lists, sketche	s, or drawing t is included	s may be used p on each sheet, ar	rovided (1 nd (3) each	) size is 8 ½ X 1 n sheet is numbe	1 red and

# FORM NIS-2 (Back)

9. Remarks	Work Order 2824825 replaced the bonnet and disc assembly with a new assembly
Pre-Press	sure Test Review: ISI DSH 4-28 of ANII
	CERTIFICATE OF COMPLIANCE
	fy that the statements made in the report are correct and this replacement conforms to the rules GME Code, Section XI.
Туре Сос	de Symbol Stamp N/A
Certificat	te of Authorization No. N/A Expiration Date N/A
Signed_	Judistat SR. ISI ENGINEER Date 5/10/06 Owner or Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
	lersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessels and the State or Province of and employed by HSB_CT
of <u>Hart</u> the period belief, the	tford. Connecticut , have inspected the components described in this Owner's Report during to 5-10-00 , and state that to the best of my knowledge and Owner has performed examinations and taken corrective measures described in this Owner's accordance with the requirements of the ASME Code, Section XI.
concerning	g this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, g the examinations and corrective measures described in this Owner's Report. Furthermore, e Inspector nor his employer shall be liable in any manner for any personal injury or property or a loss of any kind arising from or connected with this inspection.
-	Commissions NB 9685 "A.N.I.C" Az 264  Waspector's Signature  National Board, State, Province, and Endorsements
Date	5-10-06

	ASME SECTION	XI – REPAIR / REPL	ACEMENT	
			Pa	age of I
1. Component ID 3JSIAU	V0674			
2 Item Description: ATI	RAIN CONTAINMENT RE	CIRC SUMP TO SI TRAIN	'A' CONTAINMENT	ISOLATION VALVE
3. N-5 Data Package Numb		4. W.O. Number: 2	830289	4.
	ode Edition: 1974 Edition			
•	de Edition: 1974 Edition, V		,	
	place the gasket retainer bol			
8. 🗌 ISI Flaw		NDE Method of Flaw Det	ection:	
	**	Report Number:		
9. Evaluation of the suitable	lity of this work as per the re	equirements of 1WA - 4150:	· .	
OPUGINAL 410 SA 564, Gr	SS BOCTS BEING , .630 BOCTS PER ,	REPLACED WITH MICEDIC 2005-00665	ORE CORROSION	A RESISTANT
11. Replacement Items Cor	ctivity Construction Code/Ede/Edition: 1992 Edition a	Public Service e/Edition: Sec. III Cl 2, 197 lition: Sec. III Cl 2, 1974 E nd 1992 Addenda  YES  NO		· · · · · · · · · · · · · · · · · · ·
Initial Date	. If required	l, include a step in the W.O. t	o perform Preservice	: Inspection
15. ASME Section XI Press		☐ YES ☒ NO		, , , , , , , , , , , , , , , , , , ,
		i, include a step in the W.O. f	or ISI & ANTI Inche	ntion
Initial NA Date _	<del></del>	•	•	
Initial J.O. Date 1	/ // <del></del> // -	le a step in the W.O. to comp	lete NIS-2 Form pric	r to releasing the
Initial J.a Date L	17 Includ	le a step in the W.O. to record	i below all applicable	e numbers for repaired or
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
Gasket retainer bolts	APN 00090043	N/A		MR 1039838
	1.2.1. 000,001,0			
	<del></del>		·	
			· · · · · · · · · · · · · · · · · · ·	
18. Planner Signature	Ja- 11-16.	Printed Namé: Ja	mes I. Davis	40
19. ISI Judosta. Signature	11/17	Pate	GRED POTRET	
20. ANII 24 fortun	н-17-с D	Printed Name:	Robert Ge. How	STRON

1. Owner: Arizo	na Public Service	Date	Date: 4-21-06						
P. O. Box 53999, Phoenix Arizona 85072-2034 Sheet: 1 of 2									
2. Plant: Palo Verde Nuclear Generating Station Unit: 3 "									
5801 South Wintersburg Road., Tonopah, Arizona 85354-7529 Work Order Number 2830289									
3. Work Performed by: Arizona Public Service Type of Code Stamp None									
		•	•	Auth	orization N	o. <u>N/A</u>			
	*			Expir	ation Date	<u>N/A</u>			
4. Identification o	f System: Safety In	iection			•	,	•		
5. (a) Applicable	Construction Code 4	ASME Section III N	NC, Class 2	1974 Edition, Wit	nter 1975 A	ddenda, Co	ode Case		
(b) Applicable	Edition of Section 3	Ω Utilized for Repa	iirs or Replace	ments: <u>1992 Edi</u>	tion, 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 Identification	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or NO)		
Valve	Posi -Seal	14338-4A	N/A	3JSIAUV0674	1979	Repaired	YES		
Gasket retainer bolts	N/A	nh	N/A	3JSIAUV0674	2006	Replacement	NO		
			s						
			•			# 30 / 7 # 7 / 7 / 7 / 7 / 7 / 7 / 7 / 7 / 7 / 7 /			
7. Description of V	Vork: Replace the	gasket retainer bo	olting as requ	ired per EDC 20	05-00665				
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Nominal Operating Pressure Exempt Nominal Operating Pressure For Nominal Operating Pressure Exempt Nominal Operating Pressure For Nominal Operation Pressure For Nominal Operation Pressure For Nominal Operation Pressure For Nominal Operation Pressure For Nominal Operation Pressure For Nominal Operation Pressure For Nominal Operation Pressure For Nominal Operation Pressure For Nominal Operation Pressure For Nominal Operation Pressure For Nominal Operation Pressure For Nominal Operation Pressure For Nominal Oper									
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.								

FO	RN	MN	[S-2	(Ba	ck)
				•	

. Remarks: Work Order 2830289 replaced the original 41	
resistant SA564, Gr 630 bolts per EDC 2005-00665 and	DMWO 2/60330.
· · · · · · · · · · · · · · · · · · ·	
re-Pressured Test WO Review – ISI	
ANII	
AIII.	
<del></del>	
Certificate	e of Compliance
777	
Code, Section XI.	correct and this repair conforms to the rules of the ASME
- Codo, 50000 12.	
Type Code Symbol StampN/A	<u> </u>
Certificate of Authorization No N/A	Expiration Date:N/A
1/1	
Signed: Owner of Owner's Designee, Title	Date: 4-21-06
Owner or Owner's Designee, Title	
<b></b>	
CEDEVEY CAME OF THE	CERTIFICE INCRECTION
CERTIFICATE OF IN	SERVICE INSPECTION
Y AL	ed by the National Board of boiler and Pressure Vessel
Inspectors and the State or Province of Arizona and e	employed by <u>HSB CT</u> of <u>Hartford, Connecticut</u> , have
Inspectors and the State or Province of Arizona and e inspected the components described in this Owner's	report during the period of
Inspectors and the State or Province of <u>Arizona</u> and e inspected the components described in this Owner's to, and state that to the bes	
Inspectors and the State or Province of <u>Arizona</u> and e inspected the components described in this Owner's to, and state that to the bes	report during the period oftraces t of my knowledge and belief, the Owner has performed
Inspectors and the State or Province of Arizona and e inspected the components described in this Owner's to, and state that to the best examinations and taken corrective measures described.	report during the period oftraces t of my knowledge and belief, the Owner has performed
Inspectors and the State or Province of Arizona and e inspected the components described in this Owner's to, and state that to the bese examinations and taken corrective measures described.	report during the period oftraces t of my knowledge and belief, the Owner has performed
Inspectors and the State or Province of Arizona and e inspected the components described in this Owner's to, and state that to the bes examinations and taken corrective measures described in this Owner's to, and state that to the best examinations and taken corrective measures described in this Owner's to, and state that to the best examinations and taken corrective measures described in this Owner's to, and state that to the best examinations and taken corrective measures described in this Owner's to, and state that to the best examinations and taken corrective measures described in this Owner's to, and state that to the best examinations and taken corrective measures described in this Owner's to, and state that to the best examinations and taken corrective measures described in this Owner's to, and state that to the best examinations and taken corrective measures described in this Owner's to, and state that to the best examinations and taken corrective measures described in this Owner's to	report during the period of
Inspectors and the State or Province of Arizona and e inspected the components described in this Owner's to, and state that to the best examinations and taken corrective measures described in this Owner's to, and state that to the best examinations and taken corrective measures described in this Owner's to, and state that to the best examinations and taken corrective measures described in this Owner's to, and state that to the best examinations and state that to the best examinations and state that to the best examinations and taken corrective measures described in this Owner's to, and state that to the best examinations and taken corrective measures described in this Owner's to, and state that to the best examinations and taken corrective measures described in this Owner's to, and state that to the best examinations and taken corrective measures described in this Owner's to, and state that to the best examinations and taken corrective measures described in this Owner's to, and state that to the best examinations and taken corrective measures described in this Owner's the	report during the period of
Inspectors and the State or Province of Arizona and e inspected the components described in this Owner's to, and state that to the best examinations and taken corrective measures described in this Owner's to, and state that to the best examinations and taken corrective measures described in this Owner's to, and state that to the best examinations and state that to the best examinations and state that to the best examinations and state that to the best examinations and state that to the best examinations and state that to the best examinations and state that to the best examinations and state that to the best examinations and state that to the best examinations and state that to the best examinations and state that to the best examinations and state that to the best examinations and taken corrective measures described in this Owner's to, and state that to the best examinations and taken corrective measures described in this Owner's to, and state that to the best examinations and taken corrective measures described in this Owner's to, and state that to the best examinations and taken corrective measures the Inspector nor his employer shall be liable in any in the owner's the owner	report during the period of
Inspectors and the State or Province of Arizona and e inspected the components described in this Owner's to, and state that to the best examinations and taken corrective measures described in this Owner's to, and state that to the best examinations and taken corrective measures described in this Owner's to, and state that to the best examinations and taken corrective measures described in this Owner's to, and state that to the best examinations and state that to the best examinations and state that to the best examinations and taken corrective measures described in this Owner's to, and state that to the best examinations and taken corrective measures described in this Owner's to, and state that to the best examinations and taken corrective measures described in this Owner's to, and state that to the best examinations and taken corrective measures described in this Owner's to, and state that to the best examinations and taken corrective measures described in this Owner's to, and state that to the best examinations and taken corrective measures described in this Owner's the	report during the period of
Inspectors and the State or Province of Arizona and e inspected the components described in this Owner's to, and state that to the best examinations and taken corrective measures described in this Owner's to, and state that to the best examinations and taken corrective measures described in this Owner's to, and state that to the best examinations and state that to the best examinations and state that to the best examinations and state that to the best examinations and state that to the best examinations and state that to the best examinations and state that to the best examinations and state that to the best examinations and state that to the best examinations and state that to the best examinations and state that to the best examinations and state that to the best examinations and taken corrective measures described in this Owner's to, and state that to the best examinations and taken corrective measures described in this Owner's to, and state that to the best examinations and taken corrective measures described in this Owner's to, and state that to the best examinations and taken corrective measures the Inspector nor his employer shall be liable in any in the owner's the owner	report during the period of
Inspectors and the State or Province of Arizona and e inspected the components described in this Owner's to, and state that to the best examinations and taken corrective measures described in this Owner's to, and state that to the best examinations and taken corrective measures described in the ASME Code, Section XI.  By signing this certificate, neither the Inspector nor has concerning the examinations and corrective measures the Inspector nor his employer shall be liable in any places of any kind arising from or connected with this in the state of the ASME Code, Section XI.	report during the period of
Inspectors and the State or Province of Arizona and e inspected the components described in this Owner's to, and state that to the best examinations and taken corrective measures described in this Owner's to, and state that to the best examinations and taken corrective measures described in this Owner's to, and state that to the best examinations and state that to the best examinations and state that to the best examinations and state that to the best examinations and state that to the best examinations and state that to the best examinations and state that to the best examinations and state that to the best examinations and state that to the best examinations and state that to the best examinations and state that to the best examinations and state that to the best examinations and taken corrective measures described in this Owner's to, and state that to the best examinations and taken corrective measures described in this Owner's to, and state that to the best examinations and taken corrective measures described in this Owner's to, and state that to the best examinations and taken corrective measures the Inspector nor his employer shall be liable in any in the owner's the owner	report during the period of

#### ASME SECTION XI - REPAIR / REPLACEMENT Page \_ 1. Component ID 3JSIBUV0676 2.. Item Description: B TRAIN CONTAINMENT RECIRC SUMP TO SI TRAIN B' CONTAINMENT ISOLATION VALVE 3. N-5 Data Package Number: 3SI01-6 4. W.O. Number: 2830290 5. Original Construction Code Edition: 1974 Edition, Winter 1975 Addenda 6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda 7. Work Description: Replace the gasket retainer bolts per EDC 2005-00666 NDE Method of Flaw Detection: 8. ISI Flaw Report Number: 9. Evaluation of the suitability of this work as per the requirements of IWA - 4150: ORIGINAL 410 SS BOLTS BEING REPLACED BY MODE CORROSION RESISTANT 5A 564, Gr. 630 BOLTS PER EDC 2005-00666. 2 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 N/H 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 A/A Date replacement items. Heat No. MR/PO/WO No. Serial No. Item ID Part No. Gasket retainer bolts APN 00090043 N/A MR 1039837 \*\* Printed Name: James I. Davis 18. Planner

19. ISI Full of the Signature Date

19. ANII Representation Date

Printed Name: FRED POTEET Log Entry B

20. ANII Representation Date

19. ISI FRED POTEET Log Entry B

10. ANII Representation Date

19. ISI FRED POTEET Log Entry B

19. ISI FRED POTEET Log Entry B

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19. ISI FRED POTEET Log Entry B

19. ISI FRED POTEET Log Entry B

20. ANII Representation Date

19. ISI FRED POTEET Log Entry B

19. ISI FRED POTEET Log Entry B

19. ISI FRED POTEET Log Entry B

20. ANII Representation Date

1. Owner: Ariz	ona Public Service	Company, et. al.			Date	4-14-06			
<u>P. O.</u>	Box 53999, Phoen	ix Arizona 85072	-2034		Shee	t: <u>1</u> of	2	•	
2. Plant: Palo	Verde Nuclear Gen	erating Station	٠		Unit: <u>3</u>				
<u>5801</u>	South Wintersburg	Road., Tonopah,	Arizona 853:	<u>54-7529</u>	Work Order Number 2830290				
3. Work Perform	ned by: <u>Arizona Publi</u>	c Service		٠.	Туре	of Code St	amp <u>None</u>		
**************************************						orization N	o. <u>N/A</u>		
4. Identification	of System: Safety In	<u>ijection</u>			Expi	ration Date	<u>N/A</u>		
5. (a) Applicabl	e Construction Code	ASME Section III 1	NC, Class 2	1974 Editio	n, <u>Wi</u>	nter 1975 A	ddenda, <u>~  C</u>	ode Case	
(b) Applicable	e Edition of Section 2	I Utilized for Repa	airs or Replace	ments: <u>199</u>	92 Ed	ition, 1992	Addenda	•	
6. Identification	of Components Repai	ired or Replaced an	d Replacement	Componer	nts		· .		
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Othe Identific		Year Built	Repaired or Replacement	ASME Code Stamped (Yes or NO)	
Valve	Posi -Seal	14338-4-B	N/A	3JSIBUV	0676	1979	Repaired	YES	
Gasket retainer bolts	N/A	<i>ماد</i>	N/A	3JSIBUV	0676	2006	Replacement	МО	
	·	·	·						
,							ಕರ್ಷ.		
<ul><li>7. Description of</li><li>8. Test Conducte</li></ul>	Work: Replace the	_							
•	,	Pressure A/A		inal Operati	-	Temperatu	Exempt 🖄 re <u>المانم</u> °F	·	
inches, (2) in	lemental sheets in formation in items 1 or sheets is record	thru 6 on this rep	ort is include						
. ,		1							

	FORM NIS-2 (Back)
9	Remarks: Work Order 2830290 replaced the original 410 Stainless steel gasket retainer bolts with more corrosion resistant SA564, Gr 630 bolts per EDC 2005-00666 and DMWO 2760330.
	is find the second per table 2005-00000 min 2 M w 0 27 00000 min 2 M w 0 2
P	re-Pressured Test WO Review – ISI
	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
	Signed: 151 EUC Date: 41-14-06
	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
	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" A Z264  Inspectors Signature  National Board, State, Province, and Endorsements

	ASME SECTION	AI - KEPAIK / KEPL	ACEMENT	
			Pa	geof\
1. Component ID 3PSIAV4	<u>59</u>			
2 Item Description: SIT Fil	1 7		, * *	٠.
3. N-5 Data Package Number	<del></del> , ).	4. W.O. Number: 2	2834252	• •
5. Original Construction Cod			•	
6. Original Installation Code				
7. Work Description: Rew	ork the valve to correct sea	it leakage, remove and repla  NDE Method of Flaw De		seal weld
8. ISI Flaw	•	Report Number:	election:	
9. Evaluation of the suitabilit	ty of this work as per the re	•		
•	ure of the ASME boundar		. ·	
		•	•	
			•	
				**************************************
10. Repair/Replacement Wor	k Organization: Arizona	Public Service	·	
11. Replacement Items Const			74 Edition 1975 Winte	er Addenda
12. Repair/Replacement Acti		•		
13. ASME Section XI Code/	•	*		• • •
14. Preservice Inspection Rec	quired:	☐ YES ⊠ NO		•
Initial Date	. <b>Y</b>	l include a stan in the W.O.	ta manfarm Ducasamias	Tti
	•	i, include a step in the W.O.		Inspection
15. ASME Section XI Pressu	-	☐ YES ⊠ NO		• •
initial A Date	If required	I, include a step in the W.O.	for ISI & ANII Inspec	tion.
Initial Year Date 16	16. Include	le a step in the W.O. to com	plete NIS-2 Form prio	r to releasing the
Initial Date ZC	componer	it.	•	
Initial J.O Date 10	-V-05 17. Includ	le a step in the W.O. to reco	rd below all applicable	numbers for repaired or
<del></del>			:	
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
VALUE		67185		
				Established States
A. C. C. C. C. C. C. C. C. C. C. C. C. C.		•		
		<del> </del>		
<del></del>			· · · · · · · · · · · · · · · · · · ·	
	<u> </u>	<u> </u>	<u> </u>	
18. Planner	10-	YOU Printed Name:	James I. Davis	
Signature		Date		
	10-1	2 25 21 125	DI Ra	2017
19. ISI Signature		2-05 Printed Name:	R.L. BROWN	LINE EURY KI 13
01/-			011	
20. ANII 20 typhone		Printed Name:	R.G. HOGESTR	<del></del>
		1217		· · · · · · · · · · · · · · · · · · ·

PV216-08NE (8-68)

73DF-9ZZ17 Rev 9

1. Owner: Arizo	na Public Service	Company, et. al.	· ·		Date: 4-1	6-06	4.		
<u>P. O. 1</u>	Box 53999, Phoeni	ix Arizona 85072-20	<u>034</u>		Sheet: <u>1</u> of <u>2</u>				
2. Plant: Palo	Verde Nuclear Gen	erating Station		•	Unit: 3	. "			
5801 South Wintersburg Road., Tonopah, Arizona 85354-7529					Work Ord	ler Numb	er <u>2834252</u>		
3. Work Performe	– ed by: <u>Arizona Publi</u>	c Service			Type of C	ode Stam	p <u>None</u>	•	
•			•	• • •	Authoriza	tion No.	<u>N/A</u>		
			· :		Expiration	Date N	<u>//A</u>	•	
4. Identification of	of System: Safety In	jection					,	·	
5. (a) Applicable	Construction Code	ASME Section III NO	C, Class 2	974 Editio	n, <u>Winter I</u>	975 Add	enda, <u>N/A</u> Code (	Case .	
(b) Applicable	Edition of Section 2	XI Utilized for Repair	s or Replace	ments: 199	2 Edition	<u>, 1992 A</u>	ddenda		
6. Identification o	f Components Repai	ired or Replaced and l	Replacement	Componer	nts				
Name of	Name of	Manufacturer	National		her	Year	Repaired or	ASME Code	
Item	Manufacture	Serial No.	Board No.	Identii	ication	Built	Replacement	Stamped (Yes or	
Valve /	Manufacture Borg-Warner	67185		3PSIAV4	•	1981	Repaired	Stamped	
	u.		No.		•			Stamped (Yes or No)	
	u.		No.		•			Stamped (Yes or No)	
	u.		No.		•			Stamped (Yes or No)	
Valve	Borg-Warner		No.  N/A  at leakage, 1	3PSIAV4	59 d replace	1981 seal weld	Repaired	Stamped (Yes or No)	
Valve	Borg-Warner  Work: Rework the	valve to correct sea	No.  N/A  at leakage, 1	3PSIAV4	d replace	1981 seal welc	Repaired	Stamped (Yes or No)	
7. Description of Value 8. Test Conducted	Borg-Warner  Work: Rework the	67185	No.  N/A  at leakage, 1	3PSIAV4	d replace	1981 seal welc	Repaired	Stamped (Yes or No)	
7. Description of Value 8. Test Conducted	Borg-Warner  Work: Rework the	valve to correct sea	No.  N/A  at leakage, 1	3PSIAV4	d replace	1981 seal welc	Repaired	Stamped (Yes or No)	
7. Description of V 8. Test Conducted N- NOTE: Supplinches, (2) info	Borg-Warner  Work: Rework the Hydrostatic  416-2  Other  emental sheets in formation in items 1	valve to correct sea	No.  N/A  At leakage, 1  Nomi	3PSIAV4  emove and and Operate	d replace : ing Pressur Test Ten	1981 seal welder properature	Repaired  Exempt   ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	Stamped (Yes or No) YES	

	FORM NIS-2 (Back)	
<b>&gt;</b> .	Remarks: WM 2834252 removed and replaced the bonnet to body seal weld and reworked / replaced the stem and disc assembly to correct seat leakage.	
Pr	re-Pressured Test WO Review – ISI	
٠.	ANII /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	
	Certificate of Authorization No. N/A Expiration Date: N/A  Signed: 151 ENG Date: 4-16-06	
	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	
	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" AZ264  Inspectors Signature  Commissions: NB 9685 "N" AZ264  National Board, State, Province, and Endorsements	
٦.	Date: 4-16-06	

	ASME SECTIO	N XI – REPAIR / RE	PLACEMENT	
			Pa	age \ of \
1. Component ID 3PS	<u>GEV952</u>			
	2" Anchor Darling Gate valv			
3. N-5 Data Package N		4. W.O. Numbe		
· -	n Code Edition: 1974 Edition			•
·	Code Edition: 1974 Edition			
7. Work Description:	Rework pressure seal gasket surface to restore surface at:		net by weld base metal re	pair and then remachining
8. ISI-Flaw-	surface to restore surface at a	NDE Method of Flaw	Detection:	
TOTAL AND AND AND AND AND AND AND AND AND AND		Report Number:	<b>W</b>	•
9. Evaluation of the sui	tability of this work as per the	e requirements of IWA - 41	50:	
No failure of the As	SME Section III boundary. N	eed to rework sealing area (	base metal weld repair) o	on the bonnet to correct
leakage.				:
		•		
	•	,		
10. Repair/Replacemen	t Work Organization: Arizo	na Public Service	•	. /
11. Replacement Items	Construction or reconciled Construction	ode/Edition: Sec. III Cl 2,	1974 Edition Summer 19	975 Addenda
12. Repair/Replacemen	t Activity Construction Code	Edition: Sec. III Cl 2, 197	14 Edition 1975 Winter A	<u>Addenda</u>
13. ASME Section XI (	Code/Edition: 1992 Edition	and 1992 Addenda		
14. Preservice Inspection	n Required:	☐ YES 🖾 N	O	
Initial 1949 Date	4-17-06 Ifrequi	red, include a step in the W.	O to perform Preservice	Inchection
15. ASME Section XI P	_	YES 🖾 N	· · ·	mspeedon
	-	•	•	- <b>^*</b> -
Initial W75 Date	4-17-04 If requir	red, include a step in the W.	.O. for 151 & ANII Inspec	ction.
Initial Punt Date		lude a step in the W.O. to co	omplete NIS-2 Form prio	r to releasing the
$Z^{\prime}$	· •	••	•	
Initial Amy Date	4-17-04 17. Inc.	lude a step in the W.O. to rement items.	cord below all applicable	e numbers for repaired or
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
Valve	N/A	E6162-49-10	N/A	N/A
Bonnet	N/A	3	N/A	N/A
•				
•			,	
<del></del>		<del>-  </del>	<del>- </del>	
<u>-</u>				
	0 001			<u> </u>
18. Planner	My books	Printed Name	e: David Goodlet	·
Signature	· · · · · · · · · · · · · · · · · · ·	Date		•
an Alphod	14/10	TOC Brinted Name	R.P. INDAT	P. RAP
19. ISI VI Signature	1/18	Date Printed Name	: 13 1 21 4/1	Log Entry_\\
- 1			0.6	• •
O. ANII 74 to	<del></del>		e: R.Cr. YOUSTRO	<u>~</u>
Signature	·	Date		•

PV216-08NG (8-88)

1. Owner: Arizo	ona Public Service	Company, et. al.			Date: 4/1	17/2006		j)
<u>P. O.</u>	Box 53999, Phoen	nix Arizona 85072-20	<u>:034</u>		Sheet:	1 of 2		•
2. Plant: Palo	Verde Nuclear Gen	nerating Station			Unit: 3	<i>!</i> *		
<u>5801.</u>	South Wintersburg	g Road., Tonopah, A	urizona 853	<u>54-7529</u>	Work Ord	der Numbe	er <u>2835375</u>	
3. Work Performe	ed by: <u>Arizona Publi</u>	ic Service	,		Type of C	Code Stamp	p <u>None</u>	
		*.	-	•	Authoriza	ation No.	<u>N/A</u>	
					Expiration	n Date <u>N/</u>	<u>/A</u>	
4. Identification o	of System: SG: Main	n Steam			•	•	,	
5. (a) Applicable	Construction Code	ASME Section III NC	2. Class 2	<u>1974</u> Editic	on, <u>Summer</u>	<u>: 1975</u> Add	ienda, <u>ala</u> Co	ode Case
(b) Applicable	: Edition of Section J	XI Utilized for Repairs	s or Replace	ments: <u>19</u>	92 Edition	<u>. 1992 Ac</u>	ddenda	
6. Identification o	f Components Repai	ired or Replaced and I	Replacement	t Componer	nts	· .		
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.		ther ification	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or
Valve	Anchor Darling	E6162-49-10	N/A	3PSGEV9	952	1981	Repaired	YES
Bonnet	Anchor Darling	3 .	N/A	3PSGEV9	952	NA	Repaired	YES
**************************************	ž							
	,							
7. Description of V	Nork: Base metal	repair to bonnet due	to steam c	ut in gask	et sealing ?	area.		
8. Test Conducted:	: Hydrostatic	Pneumatic	] Nomi	nal Operati	ing Pressure	ı 🗆 ت	Exempt 🛛	
N-4	116-2  Other	Pressure MA psi			Test Tem	perature	ω/A °F	·
inches, (2) info	ormation in items 1	orm of lists, sketches thru 6 on this report led at the to of this fo	rt is included					

FO	RM	NIS-	2 (R	ack)
T. O	TATA	T 4100_	$\mu$ ( $\nu$	ucm,

	V952. Valve was disassembled and inspected. Bonnet has steam cut
in gasket sealing area. Will base metal repair and re	emachine. This valve was installed in the 1988 time frame.
ان. ا	
	<u> </u>
re-Pressured Test WO Review – ISI	<i>"</i>
re-Fressured Test WO Review – 151	
ANII -	/A
The second secon	
Cortifi	icate of Compliance
Cerun	cate of Comphance
We certify that the statements made in the renor	rt are correct and this repair conforms to the rules of the ASMI
Code, Section XI.	the correct and and repair conforms to the rules of the riotte
1	
Type Code Symbol Stamp	N/A
	· /
Certificate of Authorization No.	N/A Expiration Date: N/A
Signed:	15/ENC Date: 4-28-06
Owner or Owner's Designee,	Title
CERTIFICATE OF	F INSERVICE INSPECTION
Programme and the second second	
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
	ner's report during the period of 4-18-06
	ne 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	
Ry signing this certificate neither the Inspector	nor his employer makes any warranty, expressed or implied,
• • •	not his employer makes any warranty, expressed or implied, isures described in this Owner's report. Furthermore, neither
	any manner for any personal injury or property damage or a
loss of any kind arising from or connected with the	
ioss of any kind arising from of connected with t	ins inspection.
24 / <del>+</del>	·
KU Mylane	Commissions: NB 9685 "N" "1" AZ264
Inspectors Signature	National Board, State, Province, and Endorsements
	•
1	
Date: 4-28-06	

		ASME SECTION	N XI – REPAIR / REF	PLACEMENT	
##				Pa	geof
	1. Component ID <u>3PSPAI</u>	.079			
	2 Item Description: FLO	W INDICATOR S.P.	•	•	·
	3. N-5 Data Package Numb	. 11.	4. W.O. Number:	2852135	٠٠.
<b>*</b>	5. Original Construction Co				
	6. Original Installation Cod				
			gineering inspection, during corrosion of the fasteners for		e fasteners will be
	8. [] ISI Flaw _		NDE Method of Flaw I		
			Report Number:		
	9. Evaluation of the suitabil	lity of this work as per the	requirements of IWA - 415	0:	• .
	This annubar is being re	moved for an engineering	inspection. Fastener replace	ement is NOT due to fail	lure.
				•	
:			·		•
	10. Repair/Replacement Wo	ork Organization: Arizon	a Public Service		. /
A CONTRACTOR	11. Replacement Items Con		·	974 Edition 1975 Summ	er Addenda
<b>3</b>	12. Repair/Replacement Ac				
	13. ASME Section XI Code	/Edition: 1992 Edition	and 1992 Addenda		
•	14. Preservice Inspection Re	equired:	☐ YES ☑ NO	)	
		4-17-06			•
•		•	ed, include a step in the W.C		Inspection
(***	15. ASME Section XI Press	•	☐ YES ☑ NO		
٠.	Initial M/L Date	1.17-06 If require	ed, include a step in the W.C	D. for ISI & ANII Inspect	tion.
•	Initial MIL Date	16. Inclu	ide a step in the W.O. to con	mplete NIS-2 Form prior	to releasing the
	Imital Date	compone	nt.	•	
	Initial Date		ide a step in the W.O. to rec	ord below all applicable	numbers for repaired or
			ent items.	·	·
3	Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
子を変える	STUDS	APN 43110014	N/A	0/0737	MR 1088535
	NUTS	APN 43122013	N/A	5-459 3-4VH	MR 1088535
<b>3</b>				1.	
•					
	<u> </u>	<del>  · </del>			
					ļ
			•	<u> </u>	<u> </u>
•				<u> </u>	
-	MI	hlb-4-17-	~ (·		
٠.	18. Planner Signature		Date Printed Name:	Martin J Sullivan	
٠.	and the	1		<b>6</b> 5 -	<b>6</b> 7
	19. ISI 1900	<del></del>	7/66 Printed Name:	R.P. INDAP	Log Entry
16	Signature	J	Date .	•	
	20. ANII 45 475	ط-۱	Printed Name:	R.C. HOGSTROM	
\$. \$1	Signature	•	Date		

The Control of the Co

The state of the s

PV216-06NI (8-68)

### 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	: 04/17/20	006	
<u>P. O.</u>	Box 53999, Phoen	ار ix Arizona 85072	-2034	Shee	t: <u>1</u> of	. <u>2</u>	
2. Plant: Palo	Verde Nuclear Ger	erating Station		Unit	: <u>3</u> ″		
<u>5801</u> _	South Wintersburg	Road., Tonopah,	Arizona 853	54-7529 Wor	k Order Nu	mber <u>2852135</u>	
3. Work Perform	ed by: <u>Arizona Publi</u>	c Service		Турс	of Code S	tamp <u>None</u>	
	•		: -	Auth	orization N	o. <u>N/A</u>	
4. Identification of	of System: <u>SP</u>		· · · · ·	Expi	ration Date	<u>N/A</u>	· .
5. (a) Applicable	Construction Code	ASME Section III ]	ND, Class 3	<u>1974</u> Edition, <u>Sur</u>	nmer 1975	Addenda, <u>N/A</u> Co	ode Case
(b) Applicable	Edition of Section	KI Utilized for Rep	airs or Replace	ments: <u>1992 Ed</u>	ition, 1992	2 Addenda	
6. Identification o	of Components Repa	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)
Flange studs	N/A	Ht. # 731500	N/A	3JSPAFE0007	2006	Replacement	NO
5 Flange nuts	N/A	Ht. # LSP	N/A	3JSPAFE0007	2006	Replacement	NO
3 Flange nuts	N/A	Ht. # LVH	N/A	3JSPAFE0007	2006	Replacement	NO
		·				-	,
A STATES					;	12-sec 2 - 12-4	
		· ·					
		·					
7. Description of V	Work: To remove t	for engineering in	spection, and	to replace flans	e fastener	<u>s.</u>	
3. Test Conducted	: Hydrostatic	☐ Pneumatic	☐ Nomi	nal Operating Pre	ssure 🔲	Exempt 🗵	•
N-4	116-2  Other	Pressure <u>N/A</u> psi	•	Test	Temperatu	re <u>N/A</u> °F	
		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)

Remarks: Work Order 2852135, to remo Annubar Flow Element 3JSPAFE0007 or	ove Annubar for engine	ering inspection, and to replace	flange fasteners for
Annuoar Flow Element 31SPAFE0007 or	n line 3PSPALU/9.	· ···	*
		•	
	<del> </del>		
e-Pressured Test WO Review – ISI	N/A		
A > 777		•	
ANII			
			·
	Certificate of C	Compliance	
We certify that the statements made in	the report are correct	t and this replacement confor	ms to the rules of the
ASME Code, Section XI.			
Type Code Symbol Stamp	N/A		
			· ',
Certificate of Authorization No.	<u>N/A</u>	Expiration Date:	N/A
hib ned		Nowez Date: 4	020
Signed: Owner or Owner's		Date: 4	77-00
		$(-1)^{-1}$	
CERTIFICA	TE OF INSER	VICE INSPECTION	
, the undersigned, holding a valid cor	mmission issued by	the National Board of boiler	
t, the undersigned, holding a valid cor Inspectors and the State or Province of	mmission issued by Arizona and employ	the National Board of boiler yed by <u>HSB CT</u> of <u>Hartfor</u>	i, Connecticut, have
t, the undersigned, holding a valid cor Inspectors and the State or Province of Inspected the components described in	mmission issued by Arizona and employ this Owner's report	the National Board of boiler yed by <u>HSB CT</u> of <u>Hartford</u> during the period of	I, Connecticut, have
I, the undersigned, holding a valid cor Inspectors and the State or Province of Inspected the components described in Inspected the components described in Inspected the components described in the contractive manner of the co	mmission issued by Arizona and employ this Owner's report that to the best of measures described i	the National Board of boiler yed by <u>HSB CT</u> of <u>Hartford</u> during the period of	1. Connecticut, have 1-13-04 Owner has performed
i, the undersigned, holding a valid cor inspectors and the State or Province of inspected the components described in o 4-21-\(\infty\), and state examinations and taken corrective m	mmission issued by Arizona and employ this Owner's report that to the best of measures described i	the National Board of boiler yed by <u>HSB CT</u> of <u>Hartford</u> during the period of	1. Connecticut, have 1-13-04 Owner has performed
, the undersigned, holding a valid cor inspectors and the State or Province of inspected the components described in o 4-21-\(\times\), and state examinations and taken corrective m	mmission issued by Arizona and employ this Owner's report that to the best of measures described i	the National Board of boiler yed by <u>HSB CT</u> of <u>Hartford</u> during the period of	1. Connecticut, have 1-13-04 Owner has performed
I, the undersigned, holding a valid cor Inspectors and the State or Province of Inspected the components described in Inspected the components described in Inspected the components described in the contractive manner of the co	mmission issued by Arizona and employ this Owner's report that to the best of measures described i	the National Board of boiler yed by <u>HSB CT</u> of <u>Hartford</u> during the period of	1. Connecticut, have 1-13-04 Owner has performed
I, the undersigned, holding a valid cor Inspectors and the State or Province of Inspected the components described in Inspected the components of the ASME Code, Section Inspected the components of the ASME Code, Section Inspected the components of the	mmission issued by Arizona and employ this Owner's report that to the best of measures described in XI.	the National Board of boiler yed by HSB CT of Hartford during the period of yellow knowledge and belief, the on this Owner's Report in ployer makes any warranty, exposed the second sec	d. Connecticut, have
I, the undersigned, holding a valid core inspectors and the State or Province of inspected the components described in the inspected the components described in the inspected the components described in the inspected the components described in the inspected the components of the ASME corrective managements of the ASME Code, Section in the inspected the inspected that is a section of the inspection of the inspected that is a section of the inspection of	mmission issued by Arizona and employ this Owner's report that to the best of measures described in the masures described	the National Board of boiler yed by <u>HSB CT</u> of <u>Hartford</u> during the period of y knowledge and belief, the (in this Owner's Report in ployer makes any warranty, cibed in this Owner's report.	A. Connecticut, have 1-18-06 Dwner has performed accordance with the expressed or implied, Furthermore, neither
I, the undersigned, holding a valid cor inspectors and the State or Province of inspected the components described in to 4-27-\(\alpha\) and state examinations and taken corrective material requirements of the ASME Code, Section in the Sysigning this certificate, neither the I concerning the examinations and corrective in the Inspector nor his employer shall be	mmission issued by Arizona and employ this Owner's report that to the best of measures described in the massive of the measures described in the mea	the National Board of boiler yed by <u>HSB CT</u> of <u>Hartford</u> during the period of yellow knowledge and belief, the on this Owner's Report in ployer makes any warranty, we libed in this Owner's report.	A. Connecticut, have 1-18-06 Dwner has performed accordance with the expressed or implied, Furthermore, neither
I, the undersigned, holding a valid core inspectors and the State or Province of inspected the components described in the inspected the components described in the inspected the components described in the inspected the components described in the inspected the components of the ASME corrective managements of the ASME Code, Section in the inspected the inspected that is a section of the inspection of the inspected that is a section of the inspection of	mmission issued by Arizona and employ this Owner's report that to the best of measures described in the massive of the measures described in the mea	the National Board of boiler yed by <u>HSB CT</u> of <u>Hartford</u> during the period of yellow knowledge and belief, the on this Owner's Report in ployer makes any warranty, we libed in this Owner's report.	A. Connecticut, have 1-18-06 Dwner has performed accordance with the expressed or implied, Furthermore, neither
I, the undersigned, holding a valid cor inspectors and the State or Province of inspected the components described in to 4-27-\(\alpha\) and state examinations and taken corrective material requirements of the ASME Code, Section in the Sysigning this certificate, neither the I concerning the examinations and corrective in the Inspector nor his employer shall be	mmission issued by Arizona and employ this Owner's report that to the best of measures described in the masures described in the measures described with this inspection.	the National Board of boiler yed by <u>HSB CT</u> of <u>Hartford</u> during the period of y knowledge and belief, the on this Owner's Report in ployer makes any warranty, eibed in this Owner's report. In for any personal injury or pon.	A. Connecticut, have A-13-04 Dwner has performed accordance with the expressed or implied, Furthermore, neither property damage or a
I, the undersigned, holding a valid cordinate of the State or Province of inspected the components described in the second state of the ASME of the ASME Code, Section of the ASME Code, Section of the ASME corrective mequirements of the ASME code, Section of the Inspector nor his employer shall be cost of any kind arising from or connect the Inspector nor	mmission issued by Arizona and employ this Owner's report that to the best of measures described in the masures described in the measures described with this inspection.	the National Board of boiler yed by <u>HSB CT</u> of <u>Hartford</u> during the period of yenowledge and belief, the on this Owner's Report in ployer makes any warranty, eithed in this Owner's report. For any personal injury or pon.	A. Connecticut, have A-13-04 Dwner has performed accordance with the expressed or implied, Furthermore, neither property damage or a
I, the undersigned, holding a valid cor inspectors and the State or Province of inspected the components described in to 4-27-\(\alpha\) and state examinations and taken corrective material requirements of the ASME Code, Section in the Sysigning this certificate, neither the I concerning the examinations and corrective in the Inspector nor his employer shall be	mmission issued by Arizona and employ this Owner's report that to the best of measures described in the masures described in the measures described with this inspection.	the National Board of boiler yed by <u>HSB CT</u> of <u>Hartford</u> during the period of yenowledge and belief, the on this Owner's Report in ployer makes any warranty, eithed in this Owner's report. For any personal injury or pon.	A. Connecticut, have B-18-06 Dwner has performed accordance with the expressed or implied, Furthermore, neither property damage or a

	ASME SECTION X	KI – REPAIR / REPL	ACEMENT	
	N + 1 - 1		Pa	ge of
8. ISI Flaw 9. Evaluation of the suitabili	HARGE FLOW INDICATO  :: 3SP02-2 de Edition: 1974 Edition, Size Edition: 1974 Edition, With the annubar for enging oved and replaced due to cor	4. W.O. Number: 5  Summer 1975 Addenda  Inter 1975 Addenda  eering inspection, during to the fasteners for the fasteners	his evolution the flangease of re-installation.	e fasteners will be
5. ASME Section XI Pressu	truction or reconciled Code/ tivity Construction Code/Edit Edition: 1992 Edition and quired:	Edition: Sec. III Cl 3, 19 ion: Sec. III Cl 3, 1974 I d 1992 Addenda  YES NO include a step in the W.O. YES NO include a step in the W.O. a step in the W.O. to com	to perform Preservice for ISI & ANII Inspec	Inspection  tion.  r to releasing the
		items.		
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
STUDS	APN 43110014	N/A		108.7184 -03
NUTS	APN 43122013	N/A		1087184-04
•	·			
		•		
· · · · · · · · · · · · · · · · · · ·				<del> </del>
18. Planner Signature  19. ISI Signature	Da 9.12-0 Da Da Da Da	D6 Printed Name:	Martin J Sullivan  R. P. JNPAP  R.G. 4065-1	Log Entry RPP
20. ANII Signature	Da	Printed Name:	N.C. 1005TR	.07

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

7 (T)	· · · · · · · · · · · · · · · · · · ·						<u> </u>
1. Owner: Arizo	na Public Service	Company, et. al.		Date	: 04/12/200	<u>)6</u>	
P. O. 1	Box 53999, Phoeni	x Arizona 85072	-2034	Shee	t: <u>1</u> of	<u>2</u> ·	:
2. Plant: Palo V	Verde Nuclear Gen	erating Station	. ;	Unit	: <u>3</u> ″		
5801 5	South Wintersburg	Road., Tonopah,	Arizona 853	54-7529 Wor	k Order Nun	عة علامة 100 <u>2882436</u> 100 مام	4 447-06
3. Work Performe	_ ed by: <u>Arizona Publi</u>	Service		Турс	of Code Sta	amp None	
			• ,	Auth	orization No	o. <u>N/A</u>	. • .
				Expi	ration Date	N/A	
4. Identification o	f System: <u>SP</u>				•	, ***	
5. (a) Applicable	Construction Code 2	ASME Section III 1	ND, Class 3	1974 Edition, <u>Su</u>	mmer 1975 A	Addenda, <u>N/A</u> Co	de Case
(b) Applicable	Edition of Section 2	A Utilized for Rep	airs or Replace	ments: <u>1992 Ed</u>	ition, 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 Identification	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or
•					·		NO)
S.P. flow meter fasteners	Pullman power products	N/A	N/A	3PSPBL025	2006	Replacement	NO
<u></u>	·	·				·	
	·				*		
			1			1	
	25*						
	•		·				
7. Description of	Work: <u>To remove</u>	for engineering ir	spection, and	to replace flan	ge fastener	<u>s.</u>	
8. Test Conducted	: Hydrostatic	Pneumatic	Nomi	inal Operating Pr	essure [	Exempt 🛛	
N-	416-2  Other	Pressure A	psi	Tes	t Temperatu	re N/A °F	
inches, (2) info	emental sheets in formation in items 1 r of sheets is record	thru 6 on this rep	port is include	ngs may be use ed on each shee	d provided t, and (3) ea	(1) size is 8 ½ 2 ach sheet is num	X 11 ibered

	FORM NIS-2 (Back)	•
ŝ.	Remarks: To remove for engineering inspection, and to replace flange fasteners. w.o. 2882436.	-
	4-17-00	
Pı	re-Pressured Test WO Review – ISI	,
	= ANII + HA	-
	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: Prholop, Sr. Con Sulting Engineer Date: 4-17-06  Owner or Owner's Designee, Title	
		لنــ _
	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" "T" AZ264  National Board, State, Province, and Endorsements	
	Date: 4-17-06	

	ASME SECTION	XI - REPAIR / REPL	ACEMENT	
			Pa	geof
1. Component ID 3JSIBUV	0679			
2 Item Description: "B" Tr	ain Containment Spray to			
3. N-5 Data Package Number		4. W.O. Number:	<u> 2861195</u>	**
5. Original Construction Cod				
6. Original Installation Code			201 1104 22572	·
<ol> <li>Work Description: <u>Repl</u></li> <li>☐ ISI Flaw</li> </ol>	ace the gasket retainer boll	ts per the requirements of No NDE Method of Flaw De		
0. [_] 151 Flaw	•	Report Number:	tection:	
9. Evaluation of the suitabili	ty of this work as per the re	•		·
No failure of the ASME				
110 Iunut Of the Florids	odo odnida y			
			•	
10. Repair/Replacement Wor 11. Replacement Items Cons	·k Organization: Arizona	Public Carvice	RP.	E 3/8/06
10. Replacement Items Cons	truction or reconciled Code	** Public Service**  **Property   Property   74 Edition 1972 Wint	/ er Addénda	
12. Repair/Replacement Acti	vity Construction Code/Ed	lition: Sec. III Cl 2, 1974 I	Edition 1975 Winter A	Addenda
13. ASME Section XI Code/	-	nd 1992 Addenda		
14. Preservice Inspection Rec	quired:	☐ YES ☒ NO		
,	· .		Same of the same o	<b>T</b>
Initial A Date			to perform Preservice	Inspection
15. ASME Section XI Pressu	•	☐ YES ⊠ NO	•	· ·
initial <u>WA</u> Date	If required	i, include a step in the W.O.	for ISI & ANII Inspec	ction.
Initial Jin Date 3	- /- // 6	de a step in the W.O. to com	plete NIS-2 Form pric	or to releasing the
Initial Solve Date	componen	it.		
Initial J. Date 3	. 7 - 0/-	le a step in the W.O. to reco	rd below all applicable	e numbers for repaired or
	Teptaceme			
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
Gasket retainer bolts	APN 43141195	N/A	516768	MR 1074008
40	·			# 1
			-	
		<del> </del>		
·		<u> </u>		
18. Planner	1 /2 - 3	7-06 . Printed Name:	Iames I Davis	
Signature		Date : I Timed Ivalue.	Janies I. Davis	. ,
Rehada	1 2	7-06	P. D. Tundo	
19. ISI Signature		3-06 Printed Name:	IN I PLANAL	Log Entry SPP
~ /	•		0.4	<i>:</i>
20. ANII XX total		Printed Name:	R.C. HOUSTRE	эн
Signature	I	Date	•	

A								
1. Owner: Arizon	na Public Service (	Company, et. al.	•	Date:	4-17-00	•	4,	
P. O. Box 53999, Phoenix Arizona 85072-2034					Sheet: $\underline{1}$ of $\underline{2}$			
2. Plant: Palo V	erde Nuclear Gene	erating Station		Unit:	<u>3</u> "			
<u>5801 S</u>	outh Wintersburg	54-7529 Work	Order Nun	nber <u>2861195</u>				
3. Work Performe	d by: Arizona Public	Service	,	Туре	of Code St	amp None		
		· .	• •	Autho	orization No	o. <u>N/A</u>	•	
			• .	Expir	ation Date	N/A		
4. Identification of	f System: <u>Safety In</u>	jection		•		1		
5. (a) Applicable	Construction Code A	ASME Section III N	IC, Class 2	1974 Edition, Wir	iter 1975 A	ddenda,C	ode Case	
(b) Applicable	Edition of Section 3	I Utilized for Repa	irs or Replace	ments: <u>1992 Edi</u>	tion, 1992	Addenda	,	
6. Identification of	f Components Repai	red or Replaced an	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)	
Válve	Posi -Seal	14337-1-B	. N/A	3JSIBUV0679	1980	Repaired	YES	
Gasket retainer bolts	N/A	ماده	N/A	3JSIBUV0679	2006	Replacement	NO	
						To the second se		
7. Description of V	Vork: Replace the	gasket retainer b	olting as requ	ired per N001-1	104-00279	2		
8. Test Conducted	Hydrostatic	Pneumatic	☐ Nomi	inal Operating Pro	ssure 🔲	Exempt 🗵		
N-4	16-2  Other	Pressure AL I	osi	Test	Temperatu	re NA of		
					-			
NOTE: Supple	emental sheets in f	orm of lists skato	hes or draw	nge may be used	I provided	(1) size is 814	X 11 ·	
inches, (2) info	ormation in items 1 of sheets is record	thru 6 on this rep	ort is include		-		and the second s	
·		<u> </u>						

FORM NIS-2 (Back)	
Remarks: Work Order 2861195 replaced the original gasket retainer bolts with identifiable 410 Stainless steel bolts p	er
N001-1104-00279.	·
Pre-Pressured Test WO Review – ISI	
- ANII N/A	<del></del> .
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.	ne
Type Code Symbol Stamp	l
Certificate of Authorization No. N/A Expiration Date: N/A	
Signed: Officer Sylventing Engineer Date: 4/17/06  Owner or Owner's Designee, Three	
CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of boiler and Pressure Vess Inspectors and the State or Province of Arizona and employed by HSB CT of Hartford, Connecticut, has inspected the components described in this Owner's report during the period of 3-9-00 to 4-17-00, and state that to the best of my knowledge and belief, the Owner has performe examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.	ve — ed
By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implie concerning the examinations and corrective measures described in this Owner's report. Furthermore, neith the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.	er
Commissions: NB 9685 "N" AZ264 National Board, State, Province, and Endorsement	nts
Date: 4-17-06	

	ASIME SECTION	AI – KEFAIK / KE	•	1 1
1 C m anomy	242		Pa	age of
1. Component ID <u>3PSIEV</u>			• .	₹.
2 Item Description: <u>SIT 1</u> 3. N-5 Data Package Number		4. W.O. Number	- 2861512	
5. Original Construction Co		•	. 2001312	\$2
6. Original Installation Cod	<del></del>	•	•	
7. Work Description: Rev		••	ct seat leakage	
8. ISI Flaw	WOLK OF TOPIACO DIE DOIMOL	NDE Method of Flaw		•
	. •	Report Number:		
9. Evaluation of the suitabil	ity of this work as per the	• •	<b>0:</b>	
Seat leakage - No ASM				
		,		
				•
		•		
		<b>-11</b> 6 1	•	.•
10. Repair/Replacement Wo	· · · · · · · · · · · · · · · · · · ·		1074 77 12 - 1075 77 4	.4.
11. Replacement Items Con				
<ol> <li>Repair/Replacement Act</li> <li>ASME Section XI Code</li> </ol>	-		Edition 1975 Winter A	ddenda
14. Preservice Inspection Re	equired:	☐ YES ⊠ NO	)	·
Initial \(\times / M\) Date	μΑ If require	d, include a step in the W.	O. to perform Preservice	Inspection
15. ASME Section XI Press		⊠ YES □ N	•	•
		d, include a step in the W.0		ution.
Initial J.D. Date	3-9-06 Hedune	a, menude a step in the w.v	o. 101 151 & AIVII Hisper	tion.
Initial Date	74/1/	de a step in the W.O. to co	mplete NIS-2 Form prio	r to releasing the
	componer	nt.		
Initial Date		de a step in the W.O. to rec	cord below all applicable	numbers for repaired or
militar 25. Date _6	replaceme	ent items.		
Item ID	Part No.	Serial No.	Heat No.	MR/PO(WO No.
Bonnet 45060171	75907	1 5N 8	2E76	7860077
Disc 45020875	75913	-541-1	2 E 1.9	2860077
	13773	5/0 /	0526/0518	
Bonnet Disc Assy	45060170	SN8 /SN1	2=76/2869	2860077
				<u> </u>
		•	•	
	<del> </del>			
10 Planes	12. 3-	5-06 Printed Name	· Tomas I. Dorris	
18. Planner Signature	100	Date Printed Name	James I. Davis	
10		,	- 0 -	10
19. ISI	- 3//6	Printed Name	F. POTEET	Log Entry
Signature		Date .	•	•
20. ANII - 75 4±		Printed Name	R.G. Houstron	
		T THICH TAILLY		
Signature		Date	*	:

1. Owner <u>Arizona</u>	Public Service Co	impany, et. al.		Dat	Ð	04/27/06		
· .	x 53999, Phoenix.	Name			et	1 of	2	
2. Plant Palo Ve	rde Nuclear Genera		· .	Unit		3		
<u>5801-S.</u>	Wintersburg Rd.,		ona 85354	-7529		2861512		
		Address	•		•	Work Order Number		
3. Work Performed b	by Arizona Public S	Service Name	•	Тур	a Code Sy	mbol Stamp	None	
Authorization No. N/A								
5801 S. Wintersburg Rd., Tonopah, Az 85354-7529 Expiration Date N/A								
4. Identification of Sys	stem Safety Inje	ection	·	٠.			/	
5. (a) Applicable Con	nstruction Code ASM	ME Section III					<del>-</del>	
(b) Applicable Edit	ition of Section XI Utiliz	zed for Repairs or	r Replacemer	nts 19 <u>92</u>	Edition,	92 Adder	nda	
6. Identification of Co	omponents Repaired or	r Replaced and R	leplacement (	Components	·			
Name of Item	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identificati	Year tion Built	r Repaired or Replacement	ASME Code Stamped t (Yes or No)	
// Valve	Borg-Warner	32613	1055	3PSIEV24	9	Repaired	Yes	
Disc - removed	Borg-Warner	. NA	NA	HT # 2K4	5 1978	Repaired	Yes	
Bonnet - removed	Borg-Warner	NA	NA	HT#2X6	1 1978	Repaired	Yes	
Disc - installed	Borg-Warner	SN1	NA	HT # 2E69	9 *	Replacement	No	
Bonnet - installed	Borg-Warner	SN8	NA	HT # 2E70	6 *	Replacement	No	
	:			l				
7. Description of Work	Replaced the bon	nnet and disc a	assembly.	{* note rer	narks on	Page 2}		
8. Test Conducted: 1	Hydrostatic Pr	neumatic 🔲 📑	Nominal Oper	rating Press	ure 🗹	Exempt [	N-416-1 🔲	
	Other	Pressure > 2130	o psi		Test Te	emp. ~50T	_°F	
				•			•	

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

-730P-9ZZ17

9. Remarks	Work Order 2861512 r	. f.	et and disc asse	mhly with the assembly	v from 1PSIEV237
	The installed assembly	was removed by	work order 273	2245 and refurbished l	y work order
-	2860077				<u> </u>
			<del></del>	······································	
more and and a			<u> </u>		
				<u> </u>	
Pre-Press	sure Test Review: ISI Q	THAT ANII_	1-24-04		
·	(	CERTIFICATE	OF COMPL	IANCE	Se
We certi	fy that the statements ma	de in the report :	are correct and	this replacement co	nforms to the rules
	SME Code, Section XI.			repair or replacement	
	, , , , , , , , , , , , , , , , , , ,				/
Type Co	de Symbol Stamp	N/A	··	<del></del>	
Certificat	te of Authorization No.				
Signed_	Just Stat	SR. ISI	ENGINEER	Date _	5/10/06
	Ov.	vner or Owner's Design	ee, Title		7
L					<del></del>
•, •					
••			·		
	CERTI	FICATE OF II	NSERVICE IN	SPECTION	·
<b>X</b>				·	
d the und	ersigned, holding a valid	commission issu	ed by the Natio	nal Roard of Roller and	Proceura Vaccal
4	s and the State or Provin		•	·	11 1033010 403301
	tford. Connecticut ,				r's Report during
	3-10-06 to	•	•		
	Owner has performed ex				
Report in	accordance with the requ	irements of the	ASME Code, Se	ection XI.	
}	•				
By signing	this certificate, neither t	ne Inenector nor	hie emniover m	akac any warranty av	present or implied
,	g the examinations and c	•		• • •	• •
1	g the examinations and c a Inspector nor his emplo		•	•	. 1
I .	r a loss of any kind arisin	•			y or property
l damage o	i a loss of any kind ansin	g nom or connec	Tea Mini nus ins	spection.	
		•			
1	24 Lt	. •	Commissions	NB 9685 "A,N,I,C	" Az 264
	Inspector's Signature			National Board, State, Province	
	V				
Date	5-10-06		•		
Date		· ·	•	. ÷	
			<del> </del>		<del></del>

#### ASME SECTION XI - REPAIR / REPLACEMENT Page 1 of 2 1. Component ID S/N: BS-08581 2.. Item Description: Main Steam Safety Valve; Dresser - 6" 3707RAX-RT-25 1315 psig 3. N-5 Data Package Number: n/a 4. W.O. Number: 2874095 5. Original Construction Code Edition: 1974 Edition, Summer 1975 Addenda 6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda 7. Work Description: Maintenance overhaul and testing of spare valve. Code part replacement from other spare valves or from approved purchased spare parts based upon inspection results. 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 failure of the ASME III boundary. The disc will be replaced with preoxidized ASME SB637 or ASTM B637 INCONEL X-750 material to enhance performance. Other parts will be replaced on a as needed basis. 10. Repair/Replacement Work Organization: NWS Technologies 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: ☐ YES ⊠ NO Initial \_\_\_\_\_ Date 3-8-2006 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. 1/1/4 Date 3-8-2014 16. Include a step in the W.O. to complete NIS-2 Form prior to releasing the Date 7-8-2006 component. \_Date 3-8-20-08 17. Include a step in the W.O. to record below all applicable numbers for repaired or Initial replacement items. Item ID Part No. Serial No. Heat No. MR/PO/WO No. ADG 62 Disc APN 00064290 N/A 75903 SPINDLE APN 45560003 3-8-2006 18. Planner Printed Name: David Goodlet Printed Name: R.P. Tralep Log Entry PPI 19. ISI Printed Name: \_ R.G. Houstrom

3-1-06

Date

20. ANII

Signat

#### ASME SECTION XI - REPAIR / REPLACEMENT Page 2 of 2 1. Component ID S/N: BS-08635 2.. Item Description: Main Steam Safety Valve; Dresser - 6" 3707RAX-RT-25 1315 psig 3. N-5 Data Package Number: n/a 4. W.O. Number: 2874095 5. Original Construction Code Edition: 1974 Edition, Summer 1975 Addenda 6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda 7. Work Description: Maintenance overhaul and testing of spare valve. Code part replacement from other spare valves or from approved purchased spare parts based upon inspection results. 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 failure of the ASME III boundary. The disc will be replaced with preoxidized ASME SB637 or ASTM B637 INCONEL X-750 material to enhance performance. Other parts will be replaced on a as needed basis. 10. Repair/Replacement Work Organization: NWS Technologies 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: ☐ YES NO NO Initial Day & Date 3-8-2006 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 Way 5 Date 3-8-2006 16. Include a step in the W.O. to complete NIS-2 Form prior to releasing the Day G Date 3-8-276 component. 17. Include a step in the W.O. to record below all applicable numbers for repaired or 54 Date 3-8-2006 replacement items. Item ID Part No. Serial No. Heat No. MR/PO/WO No. ADG64 Disc APN 00064290 N/A 11. 18. Planner Printed Name: David Goodlet Printed Name: R.P. INDAP Log Entry RPA Printed Name: R.C. HOCKSTROM 3-9-06

Date

Signature

1. Owner: Arizo	ona Public Service	Company, et. al.		Date: <u>0</u> 4	4/10/2006		
<u>P. O. J</u>	Box 53999, Phoen	ix Arizona 85072-2	.034	Sheet:	1 of 2	• •	
2. Plant: Palo V	Verde Nuclear Gen	erating Station		Unit: 3 "	· .		
5801.5	South Wintersburg	Road., Tonopah, A	urizona 853	54-7529 Work Or	der Numbe	er <u>2874095</u>	
3. Work Performe	ed by: <u>NWS Techno</u>	logies		Type of (	Code Stam	p <u>None</u>	
				Authoriza	ation No.	<u>N/A</u>	
				Expiration	n Date N	<u>/A</u>	
4. Identification o	of System: SG: Mai	in Steam				,	
5. (a) Applicable	Construction Code	ASME Section III NC	Class 2	1974 Edition, Summer	<u>r 1975</u> Add	denda,Co	de Case
(b) Applicable	Edition of Section 2	XI Utilized for Repair	rs or Replace	ements: 1992 Edition	ı, 1992 A	<u>ddenda</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
Disc	Dresser	ADG64	n/a	BS-08635	2001	Replacement	NO NO
Disc	Dresser	ADG62	n/a	BS-08581	2001	Replacement	NO
Spindle	Dresser	n/a	n/a	BS-08581	2006	Replacement	NO
		·					
•	1		•			7	
							4.
	,						
7. Description of V	Vork: Overhaul an	d testing of three si	pare Main S	Steam Safety Valve.	<del></del>	<u></u>	
3. Test Conducted:	Hydrostatic		Nomi	nal Operating Pressure	e 🔲 🗆	Exempt 🖾	
				ngs may be used pro			

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

F	ORM NIS-2	(Back)		
9. Remarks: Work order #2874095 for off-site Valves, s/n BS 08635, BS-08581 and BS-0 new type disc already. On valve BS-08581 s	8587. The first two need	d the new material	for the valve dis	sc. The third has
Pre-Pressured Test WO Review - ISI	N/A			
ANII	N/A			
С	Certificate of Con	npliance		
We certify that the statements made in the ASME Code, Section XI.	e report are correct an	d this replaceme	nt conforms to	the rules of the
Type Code Symbol Stamp	N/A		<u> </u>	· · · · · · · · · · · · · · · · · · ·
Certificate of Authorization No.	N/A	Expiration	Date:	_N/A
Signed: Produp, Consulto Owner or Owner's D	LAS ENSITE	er.	Date: 4/1	17/06

CERTIFICATE OF INS	SERVICE 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>3-9-06</u> to <u>4-17-06</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.							
concerning the examinations and corrective measures.	is employer makes any warranty, expressed or implied, described in this Owner's report. Furthermore, neither nanner for any personal injury or property damage or a spection.						
Inspectors Signature	Commissions: NB 9685 "N" "T" AZ264 National Board, State, Province, and Endorsements						

# 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

'erufecturatienticantifed by	Intersection Hwy. 18	7 @ 3223 Nort	n, Alemendria, bouisiena scoress of NAT Certifosia holos	71359 m	<u> </u>
antigorinas for Hilling Pr					
	1:63555	; ~2,7	ero sociala chombratar;		
ocation of installation <u>Arizo</u>	ns FräilbBàMes Co Pr	alo Verda Nius.	Generation 500 50 57/m:	<u> Brabura Rd. T</u>	onocen, Atizona 953
,sa <u>09414                                    </u>	2637 (Incone) X-750)		N/A· - · ·		N/A 2501
( 2:2W:7; 12. )	( mat: spec. no. )		( tensue stangen )		RN, (/Sar bu
SME Code Section III. Divisio	n 1: 1974		ummar 1975	. 2	N/A
eoricated in accordance with t	(scition) Const Scap (Div 2 on)		addenda data , N/A Revision	( =255 ; N/A	( Cade Case n Date N/A
		<i></i>	70;		
emarks : <u>Serial Numbers A</u>	Ara Usad In Lieu Of NPT	Stamping.		·	
•				•	
			<del></del>		<del>-,</del>
m. thickness (in.) N/A	Min. design thickness (i	n.) <u>N/A</u> [	Dia. ID ( ft. & in. ) N/A	Length o	verail (ft. & in.) N
nan applicable, Certificate Ho	iders' Data Reports are	attached for ea	ch item of this report:		
			<u>`</u>		
Part or Appurtenance	National	11	Part or Appurten	ance	National
Serial Number	Board No.		Serial Numbe		Board No.
	in Nymerical Ord	ier	•	1	in Numerical Order
40.000		100	· · ·		•
1) <u>ADG60</u> 2) ADG61		(26)			<del></del>
2) <u>'ADG61</u> 3) <u>ADG62 BSOZSXI</u>		(23			<del></del>
4) ADG84 3508635		(29			
5) ADG65		(30		•	
5) /		(31			
7) / 3)		(32)			
9)		(34			
o)		(35)			
1)	-	(36)			
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3) 3) %:	<del></del>	(39)		<del> </del>	n e
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)		(44) (45) (45) (47) (48) (49)			
) ) ) ) ) )		(44) (45) (45) (47) (48) (49) (50)		2250	PSIG at temp.
)	psi Temp.	(44) (45) (45) (47) (48) (49) (50)	Hydro. Test pressu	( waen as	PSIG at temp. •

~ BMIJAAC

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

	Certificate Holder's Serie. N	ics. <u>ADG</u>	60.61.62.64	th.rox	igh <u>ADG</u>
	CERTIFICATION OF DE	SIGN		1	<del></del>
Dasign specifications partified by	TOTAL NAME OF THE PARTY OF THE		<u> </u>	Reg. No.	N/A
Design recom" centified by	N/A ( when applicable ,	P.E. Sizts	NIA	Rag. No.	4/14
			·		· · · · · · · · · · · · · · · · · · ·
• •	CERTIFICATE OF COMPLIA	NCE	•		
We cardly that the statements made in this re- conforms to the rules of construction of the As		Cisc		· Sa	<del></del>
NIPT Cartificate of Authorization No.	N-2434	Expires	5/20	V2C04	·
Date <u>\$-6-81</u> Nama	SEE LINE 1 (NFT Certificate Holder)	Signed	1-Ber	en_	
	( NF1 Octaious nuiter )		( authorized rep	resentative )	
	CERTIFICATE OF INSPEC	אסוד			
	ed by H. S. B. I. & I. Co.			he State or Pr	ovince
of HARTFORD, CT. have inspected to find the certificate and belief, the Certificate	ed these items described in this Data Repended these parts or apple	port on 8/6 purtenances in accor	dance with the	, and state the	at to the Section
ivision 1. Each part listed has been authori	ized for stamping on the date shown abo	ve.		•	
By signing this certificate, neither the inspector n this Data Report. Furthermore, neither the ins	nor his employer makes any warranty, ex spector nor his employer shall be liable in	xpressag or implied, ( xpressag or implied, (	concerning the nersonal injury	equipment de or property d	scribed
or loss of any kind arising from or connected wi		, any manner and any	porouna: a.ja.,	or broker? =	ainays
Date 86/6/ Signed 60	Commission	ns :		1 2664	
(Author	rized Nuclear Inspector)	( Nat'l Bd. (incl. e	ndersements ) an	d state or prov. ;	and no. )

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F ELASTI

12874095

	ASME SECTION	NXI – REPAIR / RE	PLACEMENT	
			Pa	age 1 of 1
<ol> <li>Component ID <u>3PSIAL</u></li> <li>Item Description: <u>Spoo</u></li> </ol>	I piece Downstream of 3PS	SIAV056		•
<ul><li>3. N-5 Data Package Numb</li><li>5. Original Construction Construction</li></ul>	. 7.*	4. W.O. Number 1. Summer 1975 Addenda	:: <u>2881980</u>	
<ol> <li>Original Installation Cod</li> <li>Work Description: <u>Ins</u></li> </ol>		Winter 1975 Addenda		
8. ISI Flaw		NDE Method of Flaw Report Number:	Detection:	
9. Evaluation of the suitabi	ity of this work as per the i	requirements of IWA - 415	i0:	•
Installation of Tempora	ry Modification, no ASME	Codé failure	• • • •	
<ul><li>10. Repair/Replacement Wo</li><li>11. Replacement Items Con</li><li>12. Repair/Replacement Ac</li></ul>	struction or reconciled Coctivity Construction Code/E	le/Edition: Sec.III Cl 1,		
13. ASME Section XI Code	/Edition: 1992 Edition a	and 1992 Addenda		
14. Preservice Inspection Re	equired:	☐ YES ☒ No	0	
Initial <u>M/H</u> Date _	If require	d, include a step in the W.	O. to perform Preservice	Inspection
15. ASME Section XI Press	ure Test Required:	☐ YES 🖾 N	0	
Initial A/A Date _	If require	d, include a step in the W.	O. for ISI & ANII Inspec	ction.
Initial I.P Date 4	componer	de a step in the W.O. to cont.  de a step in the W.O. to rec		
Initial Date 4	replacement		cora bolow an applicable	numbers for repaired or
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
Flange	APN 43580760	N5542-3-4	4-965 RNE	MR 1084907
Orifice (fabricated from Stock)	APN 43640489	N/A	Hr U7052	MR 893055
Studs	APN 43115015	N/A	726516	MR 1084908
Nuts	APN 43126003	N/A	Code: D.5	MR 1084908
Formed Restraint	APN 45240217	- NA PAH	8074	MR 1092054
	•		-	
18. Planner Signature  19. ISI Signature	3 4-2	Date  6-0C Printed Name Date	: James I. Davis : 186 18,200 Will : Robert Gr. Hoo	•
20. ANII Signature	<u> </u>	Date Printed Name		

1. Owner <u>Arizona</u>	a Public Service Co	ompany, et. al.	<u></u>	· ·	Date	: :	05/06/06	
P.O. Bo	x 53999. Phoenix.	Arizona 8507	2-2034		Sheet_		<u></u>	2
2. Plant Palo Ve	erde Nuclear Gener	rating Station		·	Unit		33	·
<u>5801 S.</u>	Wintersburg Rd.,	Tonopah, Ariz	ona 85354	<u>-7529</u>			2881980 Work Order Number	
	•	Address			•		·	
3. Work Performed t	by Arizona Public	Service Name	<u> </u>	<del></del>	Туре Сс	xde Syr	mbol Stamp	None
					Authoriz	ation N	NoN	I/A
5801 S.	Wintersburg Rd.,	Tonopah, Az 8	35354-7529	ا <u> </u>	Expiration	on Date	BN	/A :
4. Identification of Sy	O - C - 4 - 7 - 1			•				, ·
4. Identification of Cy	stem					ı	: .	
5. (a) Applicable Cor	onstruction Code ASM	/IE Section III	19 <u>74</u> 1	Edition,	<u>W75</u>	_ Adde	enda, <u>N/A</u>	_ Code Case
(b) Applicable Ed	lition of Section XI Utiliz	zed for Repairs o	r Replacemen	nts 19	92 Edif	tion, _	92 Adder	nda .
	·						· .	
6. Identification of Co	omponents Repaired or	r Replaced and H	teplacement (	Compone	ents	·		· ·
Name of	Name of	Manufacturer			ther	Year		ASME Code Stamped
ltem	Manufacturer		Board No.	<del> </del>			Replacement	(Yes or No)
Pipe Spool	Pullman Power	3SI248N001	NA	<del> </del>	AL248 <sub>-</sub>	<del> </del>	Repaired	Yes
/ Flange	NA	N5542-3-4	NA	HT#9	65RNE	2006	Replacement	No
Orfice	NA	NA	NA	HT#I	U7052	2006	Replacement	No
Studs	NA	NA	NA	HT#7	726516	2006	Replacement	No
Nuts	NA .	. NA	NA	HT#	# D5	2006	Replacement	. No
				·				
		1.		1			·	
	t						<u> </u>	1
7. Description of World	k Implement TMo	<u>d 2881770</u>	·		·	<del></del>		·
8. Test Conducted: i	Listenstatio Di P	neumatic 🔲 🛚 I	Nominal Ope	eration P	racciira	n.	Exempt 🗹	N-416-1 🔲
8. 18St Conducted.	Ayurostatic	Bulliane	Monnia apa		1633416	<b>_</b>	Exempt C	
	Other 🔲	Pressure ~/a	psi	•	7	Fest Te	emp /A	_°F
• • • • • • • • • • • • • • • • • • • •		1		-				
NOTE: Supplement	tal sheets in form of I	lists sketches,	or drawings	may be	a used,	provid	ied (1) size is 8	1/2 x 11 in.,
(2) information in ite	ems 1 through 6 on ti	this report is incl	luded on eac	ch shee	et, and (	(3) eac	ch sheet is num	bered and
the number of sheef	ets is recorded at the	top of this form	4.	•		•		

3PSIAV056 by installing studs and nuts	an orficed flang	and valve a	1770 on 3PSIAL 24 ssembly. This WO	also installed	am of I new fla
			·	· ·	
Pre-Pressure Test Review: ISI	NAANJI_	NA			
CE	RTIFICATE (	OF COMPL	.IANCE		
We certify that the statements made of the ASME Code, Section XI.	in the report are	e correct and	this replacement		o the rui
Type Code Symbol Stamp	N/A_	· · · · · · · · · · · · · · · · · · ·		. •	<u>'</u>
Certificate of Authorization No.	N/A		Expiration D	ateN	I/A
Signed DAJ	<u> </u>	ENG	<b></b> Da	ite <u>5-6-0</u>	6
- United	r or Owner's Designee,				
CEDTIEI	CATE OF IN	SEDVICE I	NEDECTION		<del></del> -
CERTIFI	CATE OF INS	SERVICE I	NSPECTION	· · · · · · · · · · · · · · · · · · ·	<u>-</u>
, the undersigned, holding a valid co	ommission issue	d by the Natio	onal Board of Boiler	r and Pressu	re Vess
, the undersigned, holding a valid conspectors and the State or Province of <u>Hartford, Connecticut</u> , ha	ommission issued of	d by the Natio and employe components	onal Board of Boiler od by <u>HSB CT</u> described in this C	Owner's Repo	ort durin
, the undersigned, holding a valid conspectors and the State or Province of <u>Hartford, Connecticut</u> , has be period 4-26-06 to	ommission issued of Az ve inspected the	d by the Nationand employed components	onal Board of Boiler of by <u>HSB CT</u> described in this C ate that to the best	Owner's Repo	ort durin edge an
, the undersigned, holding a valid conspectors and the State or Province of <u>Hartford, Connecticut</u> , ha	ommission issued of Az ve inspected the s-c-oc minations and ta	d by the Nationand employed components, and staken corrective	onal Board of Boiler of by HSB CT described in this Coate that to the best we measures descri	Owner's Repo	ort durin edge an
the undersigned, holding a valid conspectors and the State or Province of Hartford, Connecticut, have he period 4-26-06 to belief, the Owner has performed exampled accordance with the required by signing this certificate, neither the oncerning the examinations and coneither the inspector nor his employer	ommission issued of Az ve inspected the S-c-oc minations and talements of the AS inspector nor his rective measure or shall be liable	d by the Nationand employed and employed components and staken correctives ME Code, See a manual employer not be described in any manual employer employer manual employer	onal Board of Boiler of by <u>HSB CT</u> described in this Coate that to the best re measures describection XI.  makes any warranty on this Owner's Reper for any personal	Owner's Repo of my knowle bed in this O , expressed ort. Further	ort durin edge an wner's or Impli more,
the undersigned, holding a valid conspectors and the State or Province of Hartford, Connecticut, have been period 4-26-06 to elief, the Owner has performed examinations and coronary signing this certificate, neither the oncerning the examinations and coronary and coronary signing the examinations and coronary signing the examinations and coronary signing the examinations and coronary signing the examinations and coronary signing the examinations and coronary signing the examinations and coronary signing the examinations and coronary signing the examinations and coronary signing the examinations and coronary signing the examinations and coronary significants.	ommission issued of Az ve inspected the S-c-oc minations and talements of the AS inspector nor his rective measure or shall be liable	d by the Nationand employed and employed components and staken correctives ME Code, See a manual employer not be described in any manual employer employer manual employer	onal Board of Boiler of by <u>HSB CT</u> described in this Coate that to the best re measures describection XI.  makes any warranty on this Owner's Reper for any personal	Owner's Repo of my knowle bed in this O , expressed ort. Further	ort durin edge an wner's or Impli more,
the undersigned, holding a valid conspectors and the State or Province of Hartford, Connecticut, have he period 4-26-06 to belief, the Owner has performed exampled accordance with the required by signing this certificate, neither the oncerning the examinations and coneither the inspector nor his employer	onmission issued of Az ve inspected the S-c-oc minations and talements of the AS inspector nor his rective measure or shall be liable from or connected.	d by the Nationand employed and employed components and stacken correctives and Code, Some Code, So	onal Board of Boiler of by <u>HSB CT</u> described in this Coate that to the best re measures describection XI.  makes any warranty on this Owner's Reper for any personal	owner's Report of my knowled bed in this Office of the control of	ort durin edge an wner's or impli more, perty
the undersigned, holding a valid conspectors and the State or Province of Hartford, Connecticut, have he period 4-26-06 to belief, the Owner has performed exampled accordance with the required by signing this certificate, neither the oncerning the examinations and coneither the inspector nor his employer	onmission issued of Az ve inspected the S-c-oc minations and talements of the AS inspector nor his rective measure or shall be liable from or connected.	d by the Nationand employed and employed components and stacken correctives and Code, Some Code, So	onal Board of Boiler of by HSB CT described in this Cate that to the best re measures described in this Owner's Report for any personal espection.	owner's Report of my knowled bed in this Office of the control of	ort during edge and wner's or implie more, perty

#### ASME SECTION XI - REPAIR / REPLACEMENT Page 1. Component ID 3PSIBL199 2.. Item Description: Spool piece Downstream of 3PSIBV057 3. N-5 Data Package Number: 3RC01-3 4. W.O. Number: 2881982 5. Original Construction Code Edition: 1974 Edition, Summer 1975 Addenda 6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda 7. Work Description: Install T-Mod 2881770 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: Installation of Temporary Modification, no ASME Code failure 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 14. Preservice Inspection Required: ☐ YES ⊠ NO Initial NA To. Date 4-13-06 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. Initial NAJO Date 473-06 16. Include a step in the W.O. to complete NIS-2 Form prior to releasing the Initial 3.9 Date 4-13-06 component. 17. Include a step in the W.O. to record below all applicable numbers for repaired or Initial J.o Date 4-13-06 replacement items. Serial No. MR/PO/WO No. Item ID Part No. Heat No. N5542-3-1 965 RNE Flange APN 43580760 MR 1084905 MR <del>890353</del> Orifice (fabricated from APN 43640489 U7052 Stock) 893055 NΔ Studs 726516 APN 43115015 MR 1084906 NA Nuts APN 43126003 MR 1084906 REPULER MA MK 01084905 00095172 45000248 VALVE 445811 APN 43510413 4211084905 PIPE Printed Name: James I. Davis 18. Planne Signature Printed Name: RLBZOUNY og Entry RUB R.C. HoGSTROM. Printed Name: 4-26-06 20. ANII

Date

Signat

1. Owner <u>Arizona</u>	a Public Service Ct	ompany, et. al.	· 		Date _		05/06/06	
P.O. Bo	ox 53999, Phoenix.	Name <u>Arizona 8507/</u> Address	2-2034		Sheet_		1 of	2
2. Plant Palo Ve	erde Nuclear Gener		-		Unit	•	″ 3	
	Wintersburg Rd.,	Name		-7529			2881982	
,		Address	:		- 、		Work Order Number	•
3. Work Performed I	by Arizona Public	Service	<u>'</u> -		Type Co	ode Sy	mbol Stamp	None
· •	•	vame .			Authoriz	ation l	VoN	V/A
5801 S.	Wintersburg Rd.,	Tonopah, Az 8	<u>35354-7529</u>	<del>)</del>	Expiration	on Date	e <u>N</u> /	/A :
4. Identification of S	ystem Safety Inj	jection	<del></del>	<del></del>		<del>.</del>	· · · · · · · · · · · · · · · · · · ·	
	onstruction Code ASN		1974	Edition.	W75	Add	enda N/A	Code Case
						<b>-</b> .		<b>-</b> ,
(b) Applicable Ed	dition of Section XI Utiliz	zed for Repairs or	r Replacemer	nts 19	<u>92</u> Edi	tion,	92 Adde	nda
6. Identification of Co	omponents Repaired o	r Replaced and R	leplacement (	Compor	nents			
Name of Item	Name of Manufacturer	Manufacturer Serial No.	National Board No.		ther fication	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)
Pipe Spool	Pullman Power	3SI199N001	NA	3PSI	BL199		Repaired	Yes
Flange	NA	N5542-3-1	NA	HT#9	65RNE	2006	Replacement	No
Orfice	na na	NA	NA	HT#	U7052	2006	Replacement	No
Studs	NA	NA	NA	HT#	726516	2006	Replacement	No
Nuts	NA	NA	NA	нт	# D5	2006	Replacement	No.
								NV
							8.	
		• ,		<u> </u>	<del></del>	···	<u> </u>	<u> </u>
7. Description of World	k Implement TMo	d 2881770		<del></del>		· · ·	<del></del>	
8. Test Conducted:	Hydrostatic P	neumatic 🔲 🛚 1	Nominal Ope	erating P	Pressure		Exempt 🗹	N-416-1 🔲
	Other 🔲	Pressure ~/>	> psi		•	Test Te	عادہمme	_°F
		ı		•		··		
(2) Information in ite	tal sheets in form of l ems 1 through 6 on t ets is recorded at the	this report is incl	luded on ea					

73DP-9ZZ17

9.	Remarks	Work Order 2881982 i	mplemented T Modi	ification 2881770	on 3PSIRI 100 dos	unctream of
	•	3PSIBV057 by installing	ng an orficed flange	and valve assemb	oly. This WO also in	stalled new flange
		studs and nuts				
	•	·····		<del></del>		
		<del>-</del>	<del></del>			
	Pre-Pressu	ure Test Review: ISI	_NAANII_	NA		
	•	•	CERTIFICATE O	F COMPLIAN	CE	
,		that the statements ma	de in the report are	_	replacement confo	orms to the rules
	Type Cod	le Symbol Stamp	N/A			<del>'</del>
	•	of Authorization No			Expiration Date	N/A
	Signed	7174-	EN	SR	Date _ <b></b>	-6-06
·		01	wner or Owner's Designee, T	îtie		
		CERTI	FICATE OF INS	ERVICE INSP	ECTION	
	Inspectors	ersigned, holding a valid and the State or Provin	ce of Az	and employed by	HSB CT	
		ford. Connecticut .				
-[	belief, the	Owner has performed e	xaminations and tak	cen corrective me	asures described in	
	Report In a	eccordance with the requ	uirements of the AS	ME Code, Șectio	n XI.	
	concerning neither the	this certificate, neither to the examinations and conspector nor his employ a loss of any kind arising	corrective measures eyer shall be liable in	described in this any manner for	Owner's Report. For any personal injury	urthermore,
		. / -				
		Inspector's Signature	C		8 1685 "A, N, I, Conal Board, State, Province, i	
	Date	5-6-06	1	•		
L				<u> </u>	<del></del>	

	ASME SECTION	XI – REPAIR / REPI	LACEMENT	
			Pa	gel_oft
9. Evaluation of the suitabili  This annubar is being received.	de Edition: 1974 Edition: Edition: 1974 Edition: 1974 Edition: 1974 Edition.  emove the annubar for engoved and replaced due to complete the service of this work as per the removed for an engineering of the factors.	4. W.O. Number:  Summer 1975 Addenda  Winter 1975 Addenda  Winter 1975 Addenda  Winter 1975 Addenda  Winter 1975 Addenda  Winter 1975 Addenda  Winter 1975 Addenda  Winter 1975 Addenda  Forrosion of the fasteners for  NDE Method of Flaw De  Report Number:  requirements of IWA - 4150:  inspection. The faster  RPL 4/2/06	2882966  this evolution the flangease of re-installation.etection:	ge fasteners will be
<ul><li>11. Replacement Items Cons</li><li>12. Repair/Replacement Act</li><li>13. ASME Section XI Code</li><li>14. Preservice Inspection Re</li></ul>	struction or reconciled Codivity Construction Code/E  Edition: 1992 Edition and Edition an	le/Edition: Sec. III Cl 3, 19 dition: Sec. III Cl 3, 1974 and 1992 Addenda  YES X NO	Edition 1975 Winter A	Addenda
Initial Date Grant Dat	ure Test Required:		for ISI & ANII Inspen	ction. or to releasing the
Initial Mar Date 4	17. Included 17. I	ide a step in the W.O. to reco	ord below all applicable	
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
STUDS	APN 43110014	N/A	<u></u>	1087204-03
NUTS	APN 43122013	N/A		1087204-04
•				
	·			
· · · · · · · · · · · · · · · · · · ·				
**************************************	<del> </del>			
18. Planner Signature	10	Date	Martin J Sullivan R. P. IHDAP	Log Entry RPP
Signature  20. ANII RA Lateral Signature	4-12.	Date	R.Ce. Houstron	

PV216-06NE (8-88)

73DP-92Z17 Rev 1

#### 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>04/12/20</u>	<u>06</u>	
<u>P. O. J</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	: <u>3</u> "		
<u>5801 S</u>	South Wintersburg	Road., Tonopah,	Arizona 8535	54-7529 Wor	k Order Nu	mber <u>2882966</u>	•
3. Work Performe	ed by: <u>Arizona Publi</u>	c Service		Тур	of Code St	amp <u>None</u>	
		•		Auti	orization N	o. <u>N/A</u>	· . ·
4. Identification o	f System: <u>SP</u>		•	Ехр	ration Date	<u>N/A</u>	
5. (a) Applicable	Construction Code	ASME Section III 1	ND, Class 3	<u>1974</u> Edition, <u>Su</u>	mmer 1975	Addenda, <u>N/A</u> Co	ode Case
(b) Applicable	Edition of Section 2	CI Utilized for Repa	airs or Replace	ments: <u>1992 E</u> c	lition, 1992	2 Addenda	
6. Identification o	f Components Repai	red 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)
S.P. flow meter fasteners	Pullman power products	N/A	N/A	3PSPBL030	2006	Replacement	МО
		·	·	·		·	
	and the second s					7	
7. Description of V	Work: To remove	for engineering in	spection, and	l to replace flan	ge fastenei	·	
8. Test Conducted	: Hydrostatic	Pneumatic	Nomi	inal Operating Pr	essure 🔲	Exempt 🛛	
N-4	116-2	Pressure Like	osi	Tes	t Temperati	ire A/A oF	
				·			; .
inches, (2) info	emental sheets in formation in items 1 of sheets is record	thru 6 on this reg	port is include				

FORM NIS-2 (Back)	
Remarks: To remove for engineering inspection, and to replace flange fasteners, w.o. 2882966.	<del></del>
$\mathcal{F}^{\mathcal{C}}$	
Pre-Pressured Test WO Review – ISI	
ANII NA	
Certificate of Compliance	
We certify that the statements made in the report are correct and this replacement conforms to the rules of th ASME Code, Section XI.	е
Type Code Symbol Stamp	
Certificate of Authorization No. N/A Expiration Date: N/A	
Signed: RPholop, Sr. Con sulting Engineer Date: 4/17/06  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	d
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 loss of any kind arising from or connected with this inspection.	er
Commissions: NB 9685 "N" "I" AZ264 National Board, State, Province, and Endorsemen	ts
Date:	

			and the second s	
			Pa	age of
1. Component ID 3PSPAL	.068			
2 Item Description: FLO	W INDICATOR S.P.	•	•	
3. N-5 Data Package Numb	er: <u>3SP01-2</u>	- 4. W.O. Number	: <u>2882968</u>	
5. Original Construction Co	ode Edition: 11974 Editio	on, Summer 1975 Addenda		
6. Original Installation Cod	le Edition: 1974 Edition	Winter 1975 Addenda		Ť.
		ngineering inspection, during		
	10 ved and replaced due to	corrosion of the fasteners for		
8. 🗌 ISI Flaw _	•	NDE Method of Flaw I	Detection:	
		Report Number:	•	
9. Evaluation of the suitabil	•		i here	•
This annubar is being re	moved for an engineering	inspection. The fasteners w	there not replaced due to	failure.
, ,		•	·	•
10. Repair/Replacement Wo	ork Organization: Arizon	na Public Service		/
11. Replacement Items Con		· · · · · · · · · · · · · · · · · · ·	1974 Edition 1975 Sumr	ner Addenda
12. Repair/Replacement Ac	· ·			
13. ASME Section XI Code				•
14. Preservice Inspection Re	•	☐ YES ☒ NO		•
Initial Date	7-17-06 If requir	ed, include a step in the W.O	D. to perform Preservice	Inspection
15. ASME Section XI Press	ure Test Required:	☐ YES 🖾 N	0	
Initial M Date 4	f-17-06 If require	ed, include a step in the W.C	O. for ISI & ANII Inspec	ction.
		- ·	· -	
Initial MM Date 3	17-06 compone	ude a step in the W.O. to con	mpiete N15-2 Form prio	r to releasing the
1 11		•		
Initial Date	7-17-06 17. Included replacement		ford below all applicable	
<u> </u>	- Opinion			numbers for repaired or
	Dowt No.		T Hand No.	
Item ID	Part No.	Serial No.	Heat No.	
STUDS	Part No. APN 43110014			
STUDS		Serial No.	73500	MR/PO/WO No.
STUDS	APN 43110014	Serial No.	73500	MR/PO/WO No. MR 1088684
STUDS	APN 43110014	Serial No.	73500	MR/PO/WO No. MR 1088684
STUDS	APN 43110014	Serial No.	73500	MR/PO/WO No. MR 1088684
STUDS	APN 43110014	Serial No.	73500	MR/PO/WO No. MR 1088684
STUDS	APN 43110014	Serial No.	73500	MR/PO/WO No. MR 1088684
STUDS	APN 43110014	Serial No.	73500	MR/PO/WO No. MR 1088684
STUDS	APN 43110014 APN 43122013	Serial No.  N/A  N/A	73500	MR/PO/WO No. MR 1088684
STUDS NUTS	APN 43110014 APN 43122013	Serial No.  N/A  N/A	73500 010327 LYH	MR/PO/WO No. MR 1088684
STUDS NUTS	APN 43110014 APN 43122013	Serial No.  N/A  N/A	73500	MR/PO/WO No. MR 1088684
STUDS  NUTS  18. Planner Signature	APN 43110014 APN 43122013	Serial No.  N/A  N/A  Printed Name:	AJESSON DISTRIBUTION OF STREET	MR/PO/WO No. MR 1088684 MR 1088684
STUDS  NUTS  18. Planner Signature  19. ISI PRINCIA	APN 43110014 APN 43122013  MM 4: (7	Serial No.  N/A  N/A  Printed Name:  -06  Printed Name:	AJESSON DISTRIBUTION OF STREET	MR/PO/WO No. MR 1088684
STUDS  NUTS  18. Planner Signature	APN 43110014 APN 43122013  MM 4: (7	Serial No.  N/A  N/A  N/A  Printed Name:  Date  Printed Name:	Martin J Sullivan  R. P. INDAP	MR/PO/WO No.  MR 1088684  MR 1088684  Log Entry RPP
STUDS  NUTS  18. Planner Signature  19. ISI PRINCIA	APN 43110014 APN 43122013  MM 4: (7	Serial No.  N/A  N/A  N/A  Printed Name:  Date  Printed Name:	AJESSON DISTRIBUTION OF STREET	MR/PO/WO No.  MR 1088684  MR 1088684  Log Entry RPP

•

1 Osmer Ar	izona Public Service	Company et al		Γ	Date: 04/17/20	OOK	
		.1:			-		
	D. Box 53999, Phoen		<u>-2034</u>			<u>.2</u> . `	•
	o Verde Nuclear Ger				Init: <u>3</u> -	•	
<u>580</u>	1 South Wintersburg	z Road., Tonopah.	Arizona 853	<u>54-7529</u> W	ork Order Nu	mber <u>2882968</u>	
3. Work Perfor	rmed by: <u>Arizona Publi</u>	ic Service	· .	T.	ype of Code S	tamp None	٠
•				A	uthorization N	io. <u>N/A</u>	
•		•.		E	xpiration Date	<u>N/A</u>	
4. Identification	n of System: SP						
5. (a) Applicab	ole Construction Code	ASME Section III)	ND, Class 3	1974 Edition,	<u>Summer 1975</u>	Addenda, N/A Co	ode Case,
(b) Applical	ble Edition of Section 2	XI Utilized for Rep	airs or Replace	ments: <u>1992</u>	Edition, 1992	2 Addenda	
6. Identification	n of Components Repa	ired or Replaced ar	id 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
e e e e e e e e e e e e e e e e e e e							(Yes or NO)
Flange studs	N/A	Ht. # 731500	N/A	3JSPAFE000	05 2006	Replacement	NO
Flange nuts	N/A	Ht. # LVH	N/A	3JSPAFE000	05 2006	Replacement	NO
				•		(200 A) (100 A) (100 A)	
					+	-	<del></del>
		· · · · · · · · · · · · · · · · · · ·				<del>                                     </del>	
7 Description of	f Work: To remove t	for engineering ir	espection, and	to replace fl	ange fastener	~	
3. Test Conducte	•			inal Operating l	•	Exempt 🛭	
•	•	Pressure <u>N/A</u> psi	•	_	est Temperatu		
•		1			est remperara	IC IVE	
		1				· · · · · · · · · · · · · · · · · · ·	- 4 4
NOTE: Supr	plemental sheets in fo	Arm At lists SKRID	hee or drawn	444 MARIE NA 111	CAN DECIMAN	/ 1 1 0170 10 X 10 C	. 11

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

F	OF	MS	NIS	-2 (	Ba	ck)
					•	

	<u> </u>
9. Remarks: Work Order 2882968, to remove Annubar for engineering inspection, and to replace flange fasteners for	•
Annubar Flow Element 3JSPAFE0005 on line 3PSPAL068.	
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	<b>.</b>
ASME Code, Section XI.	
Type Code Symbol Stamp N/A	
Certificate of Authorization No. N/A Expiration Date: N/A	
Signed Will Date: 4-27-06	
Owner or Owner's Designee, Title	
CERTIFICATE OF INSERVICE INSPECTION	7
I, the undersigned, holding a valid commission issued by the National Board of boiler and Pressure Vesse 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>4-18-06</u> to <u>4-27-06</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.	Ī
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: 4-27-06	

	ASME SECTION	N XI – REPAIR / RE	PLACEMENT	
· .			Pa	age of
1. Component ID 3PSPAL	.079			
2 Item Description: <u>S.P.</u>				
3. N-5 Data Package Numb		4. W.O. Numbe	r: <u>2882969</u>	
5. Original Construction Co	,			
6. Original Installation Cod				1.11.14
<ul><li>7. Work Description: <u>To</u></li><li>8. ☐ ISI Flaw</li></ul>	remove the code data nam	NDE Method of Flaw		behind the name plate.
6. [ ] 151 Flaw	•	Report Number:	Detection.	
9. Evaluation of the suitabil	ity of this work as per the	•	50:	
	removed for an engineeri			the name plate. The
	ed to a location will not ha	•		
	rgity of the piping system.		•	
cricer the su detailar rine	igity of the piping system.	<u>.</u>		
10. Repair/Replacement Wo	ork Organization: Arizon	na Public Service	•	
11. Replacement Items Con			1974 Edition 1975 Sum	mer Addenda
12. Repair/Replacement Ac	tivity Construction Code/E	Edition: Sec. III Cl 3, 197	4 Edition 1975 Winter A	<u>Addenda</u>
13. ASME Section XI Code	/Edition: 1992 Edition	and 1992 Addenda	•	
14. Preservice Inspection Re	equired:	☐ YES 🕱 N	0	
Initial Date	1-20-06 If require	ed, include a step in the W.	O, to perform Preservice	- Inspection
15. ASME Section XI Press	•	YES X	· .	2 mspootton
1///		ed, include a step in the W.	•	ation
Initial Date 7			<del>-</del> -	
Initial MM Date	16. Included in the componer of the componer o	ude a step in the W.O. to co	omplete NIS-2 Form price	or to releasing the
11:111				
Initial Date 4		ide a step in the W.O. to re ent items.	cord below all applicable	e numbers for repaired or
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
Code data name plate	N/A	N/A	N/A	N/A
, , , , , , , , , , , , , , , , , , , ,				4
<del></del>	<del>                                     </del>	<del></del>	<del> </del>	<del></del>
	<del></del>		<del></del>	<del></del>
<del></del>				
18. Planner Mull	Me 4-20.	-06 Printed Name	e: Martin J Sullivan	
Signature		Date Printed Name	s. Matini 3 Sunvan	<b>-</b>
(Delada)	P 4-20	-56	P. P. Tadas	COT
19. ISI Signature		Date Printed Name	R. P. Indaj	Log Entry Control
	<b>.</b>			
20. ANII State		Printed Name	: R.G. Hostron	
Signature		Date	•	

#### ASME SECTION XI – REPAIR / REPLACEMENT Page 1. Component ID 3PSPAL079 2.. Item Description: \_S.P. Return line 3. N-5 Data Package Number: 3SP01-2 4. W.O. Number: 2882969 5. Original Construction Code Edition: 1974 Edition, Summer 1975 Addenda 6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda 7. Work Description: Remove the corrosion damaged area and protect the area with coatings NDE Method of Flaw Detection: 8. ISI Flaw Report Number: 9. Evaluation of the suitability of this work as per the requirements of IWA - 4150: Remove the corrosion damaged area and protect the area with coatings. Did not exceed the min wall thickenss. Corroded area was not coated previously 10. Repair/Replacement Work Organization: Arizona Public Service 11. Replacement Items Construction or reconciled Code/Edition: Sec. III Cl 3, 1974 Edition 1975 Summer Áddenda 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 M NO 14. Preservice Inspection Required: ☐ YES Date 4-27-06 If required, include a step in the W.O. to perform Preservice Inspection 15. ASME Section XI Pressure Test Required: M NO ☐ YES Date 4-27-06 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 Date 4-27-06 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. N/A N/A Code data name plate N/A N/A -Printed Name: Martin J Sullivan

Date

Printed Name: \_ R.G. Hassan

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

As Required by the Provisions of the ASME Code Section XI

1. Owner: Arize	ona Public Service	Company, et. al.		Da	ite: <u>04/20/20</u>	006	
<u>P. O.</u>	Box 53999, Phoen	ix Arizona 85072	<u>-2034</u>	Sh	eet: <u>1</u> of	2	•
2. Plant: Palo	Verde Nuclear Ger	nerating Station		Ur	it: <u>3</u>		
<u>5801</u>	South Wintersburg	Road., Tonopah,	Arizona 853	<u>54-7529</u> Wo	ork Order Nu	mber <u>2882969</u>	
3. Work Perform	– ed by: <u>Arizona Publi</u>	c Service		Ту	pe of Code S	tamp None	•
		·	<b>;</b>	_ ·	thorization N	Io. <u>N/A</u>	•
A Tanaistanian	-F.C CD			Ex	piration Date	<u>N/A</u>	
4. Identification (	c Construction Code	A SME Section III 1	VD Class 3	1074 Edition S	ummer 1075	Addenda N/A Co	ode Case
	•			, -			de Casc
	e Edition of Section 2 of Components Repa		•		antion, 1992	Addenda	•
		1	1	T	Т		1 (2) (2)
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identificatio	Year n Built	Repaired or Replacement	ASME Code Stamped (Yes or NO)
Code data name	Pullman power products	3SP079S061	N/A	3PSPAL079 S-61	2006	Repaired	YES
						77.7 7240	
						2	
					·		
7. Description of V	Work: Remove the	name plate to ins	pect the corre	osion on the pi	ping that is	behind the name	plate.
	: Hydrostatic			nal Operating P		Exempt 🗵	
N-4	116-2  Other	Pressure p	si	Te	st Temperatu	re °F	
		1			•	•	•

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.

fashion that will not effect the structural intergity of the pi	at will not hamper the inspections and will be reattached in a
Pre-Pressured Test WO Review – ISI ANII	A
Certificate	of Compliance
We certify that the statements made in the report are code, Section XI.	orrect and this repair conforms to the rules of the ASME
Type Code Symbol Stamp N/A	Euripeine Date N/A
Certificate of Authorization No. N/A  Signed: Owner or Owner's Designee, Title	Expiration Date: N/A  NOTNEEL Date: 5-2-06
CERTIFICATE OF INS	SERVICE INSPECTION
I, the undersigned, holding a valid commission issued Inspectors and the State or Province of Arizona and el inspected the components described in this Owner's respected to 5-2-06, and state that to the best	d by the National Board of boiler and Pressure Vessel mployed by HSB CT of Hartford, Connecticut, have
concerning the examinations and corrective measures	s employer makes any warranty, expressed or implied, described in this Owner's report. Furthermore, neither nanner for any personal injury or property damage or a spection.
Inspectors Signature  Date: 6-2-06	Commissions: NB 9685 "N" "1" AZ264 National Board, State, Province, and Endorsements

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\* 大種様の大人

	ASME SECTION:	XI – REPAIR / REP	LACEMENT	,					
			Pag	elofl					
	lown Cooling from Loop 1 Is								
3. N-5 Data Package Number	er: <u>3S107-9</u> ode Edition: 11974 Edition.	4. W.O. Number:	<u>2884382</u>	4:					
	e Edition: 1974 Edition, W			•					
-	7. Work Description: Replace the bonnet and install a cap in the leakoff port								
8. 🔲 ISI Flaw	•	NDE Method of Flaw D	etection:						
	•	Report Number:		: '					
9. Evaluation of the suitabil	ity of this work as per the rec	quirements of IWA - 4150							
	IKE Replace	mant, NO FA	ILURE OF	ASME					
PRESSURE A	BOUNDARY		· :	eta Teve e de					
<ul><li>10. Repair/Replacement Wo</li><li>11. Replacement Items Cons</li><li>12. Repair/Replacement Act</li></ul>	struction or reconciled Code/ civity Construction Code/Edit	Edition: Sec. III Cl 1, 19 tion: Sec. III Cl 1, 1974							
13. ASME Section XI Code	:								
14. Preservice Inspection Re	equired:	☐ YES 🖾 NO							
Initial MM Date	If required,	include a step in the W.O.	to perform Preservice I	nspection					
15. ASME Section XI Pressi	ure Test Required:	YES □ NO							
Initial J. D Date	4-14-06 If required,	include a step in the W.O.	for ISI & ANII Inspecti	on.					
Initial J.D Date 3	16. Include component.	a step in the W.O. to com	plete NIS-2 Form prior	to releasing the					
Initial J.O Date 4	17. Include replacement	a step in the W.O. to reco	rd below all applicable r	numbers for repaired or					
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.					
Bonnet	APN 45060309	212371-B	HASNAGO	MR 1087798					
Cap Div	APN 43550612		149ZNA	MR 1087798					
				···.					
	÷			,					
•									
•	·								
18. Planner Signature Date Printed Name: James I. Davis									
19. ISI	19 4-15-6	Printed Name:	R.L. BROWNING	Log Entry RS					
20. ANII 25	Dail	<b>.</b>	RG HOGETRON						
Signature	Dat	e ·		71DP-97Z17 Rev 9					

1. Owner: Arizo	ona Public Service	Company, et. al.		Date: 05	5/04/2006		
	Box 53999, Phoen Verde Nuclear Gen	ix Arizona 85072-20	<u>034</u>	Sheet: Unit:	1 of 2		
		Road., Tonopah, A	rizona 853.			er <u>2884382</u>	
3. Work Performe	ed by: <u>Arizona Publi</u>	c Service		Type of C	lode Stam	p None	
 I				Authoriza	ition No.	<u>N/A</u>	
•	÷.			Expiration	n Date <u>N</u>	<u>//A</u>	
	of System: Safety In					,	
5. (a) Applicable	Construction Code	ASME Section III NB	. Class 1	1974 Edition, Winter I	1975 Add	enda, NA Cod	e Case
(b) Applicable	Edition of Section 2	XI Utilized for Repair	s or Replace	ments: 1992 Edition	<u>, 1992 A</u>	ddenda	
6. Identification of	f Components Repai	ired or Replaced and I	Replacement	Components			
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)
-	4			Identification  3JSIDUV0654	Built	Replacement Repaired	Stamped (Yes or
Item	Manufacture	Serial No.	No.				Stamped (Yes or No)
Item	Manufacture  Borg-Warner	Serial No. 31458	No.	3JSIDUV0654	1978	Repaired	Stamped (Yes or No) YES
Valve Bonnet	Manufacture  Borg-Warner  Borg-Warner	Serial No. 31458 212371-B	No. 1022 N/A	3JSIDUV0654 3JSIDUV0654	1978 2006	Repaired Replaced	Stamped (Yes or No) YES
Item Valve Bonnet Cap	Manufacture  Borg-Warner  Borg-Warner	Serial No.  31458 212371-B Ht# 149ZNA	No. 1022 N/A	3JSIDUV0654 3JSIDUV0654	1978 2006	Repaired Replaced Replaced	Stamped (Yes or No) YES
Valve Bonnet Cap 7. Description of V	Manufacture  Borg-Warner  Borg-Warner  N/A  Work: Replace the	Serial No.  31458  212371-B  Ht# 149ZNA  bonnet assembly	No. 1022 N/A N/A	3JSIDUV0654 3JSIDUV0654	1978 2006 2006	Repaired Replaced Replaced	Stamped (Yes or No) YES
Valve Bonnet Cap 7. Description of V 8. Test Conducted:	Manufacture  Borg-Warner  Borg-Warner  N/A  Work: Replace the  Hydrostatic	Serial No.  31458  212371-B  Ht# 149ZNA  bonnet assembly	No.  1022  N/A  N/A	3JSIDUV0654 3JSIDUV0654 3JSIDUV0654 nal Operating Pressure	1978 2006 2006	Repaired Replaced Replaced	Stamped (Yes or No) YES

ٷ	
ł	9. Remarks: WO 2884382 replaced the valve bonnet because of damage in the stuffing box and welded a pipe cap in the
	leakoiff port per the requirements of 13-PN-0220 and 13-PN-204.
٠	YEAR BUILT DATES FOR BOWNET & CAP ARE FOR THE YEAR INSTALLED
	Pre-Pressured Test WO Review - ISI 21-15-5-3-06
P	Pre-Pressured Test WO Review – ISI
ŀ	ANIII ~SA
	ANII 23/A
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
•	Certificate of Authorization No. N/A Expiration Date: N/A
	t and
	Signed: My Chist 181 ENOINEE Date: 5-8-06
	Owner or Owner's Designee, Title
•	
	CERTIFICATE OF INSERVICE INSPECTION
٠	
	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
	inspected the components described in this Owner's report during the period of
	inspected the components described in this Owner's report during the period of 4-15-06 to 5-3-06, 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
	inspected the components described in this Owner's report during the period of
	inspected the components described in this Owner's report during the period of 4-15-06 to 5-3-06, 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
	inspected the components described in this Owner's report during the period of 4-15-06 to 5-3-06, 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
	inspected the components described in this Owner's report during the period of
	inspected the components described in this Owner's report during the period of
	inspected the components described in this Owner's report during the period of
	inspected the components described in this Owner's report during the period of
	inspected the components described in this Owner's report during the period of
	inspected the components described in this Owner's report during the period of
	inspected the components described in this Owner's report during the period of
	inspected the components described in this Owner's report during the period of
	inspected the components described in this Owner's report during the period of
	inspected the components described in this Owner's report during the period of

	ASME SECTION	XI - REPAIR / REP	LACEMENT	
			Pa	age l of l
<ol> <li>Component ID <u>3JCHBH</u></li> <li>Item Description: <u>1-1/2</u>"</li> <li>N-5 Data Package Number</li> </ol>	', 1500 lb. "Y" type Borg W	Varner Globe Valve, Motor 4. W.O. Number:		
5. Original Construction Co.	11			<b>\</b>
6. Original Installation Code	Edition: 1974 Edition, W	Vinter 1975 Addenda	• .	•
<u> </u>	assemble valve to replace steemove and replace the bonne		s where stem extension	connects. Will also need
8. 🗌 ISI Flaw _		NDE Method of Flaw D	etection:	
		Report Number:	-	
9. Evaluation of the suitabili	· .			
, ,	Section III boundary. Seal v	weld is required to be remo	oved to replace valve st	em. The stem is part of
a stem/disc assembly,				
10. Repair/Replacement Wor 11. Replacement Items Cons	truction or reconciled Code	Edition: Sec. III Cl 2, 19		
<ul><li>12. Repair/Replacement Acti</li><li>13. ASME Section XI Code/I</li></ul>			Edition 1975 Winter A	<u>idderīda</u>
14. Preservice Inspection Rec		☐ YES ☑ NO	• •	Ĺ
Initial Diag Date 4		, include a step in the W.O	•	Inspection
15. ASME Section XI Pressu		YES NO	<del>-</del>	•
Pro L		, include a step in the W.O.	•	etion.
Initial Day Date 4	<del></del> .	e a step in the W.O. to com		•
Initial <u>Sug</u> Date 4-		e a step in the W.O. to recont items.	ord below all applicable	, , , , , , , , , , , , , , , , , , ,
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
Valve	N/A	51718	N/A	N/A
Plug/stem ass'y	APN 45020247	5481	5J86	MR 1090010
Seal weld	N/A	N/A	N/A	N/A
BONNET	45060213	218257-2	DA	1092363
			1	
				<del>                                     </del>
18. Planner Signature	12 12 4-20. Da			
19. ISI Right Signature	2p 4/2	Printed Name:	R.P. Inda	Log Entry RPP
20. ANII Rd hyten	4-21 Da	1-06 Printed Name:	R.G. HOLSTROM	

### 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	ona Public Service	Company, et. al.		Date: 4/2	20/2006		·
<u>P. O.</u>	Box 53999, Phoen	nix Arizona 85072-2	.034	Sheet:	<u>1</u> of <u>2</u>		
2. Plant: Palo	Verde Nuclear Ger	nerating Station	•	Unit: 3	÷		
5801	South Wintersburg	g Road., Tonopah, A	rizona 853.	54-7529 Work Ord	der Numbe	er <u>2886052</u>	
3. Work Perform	- ned by: <u>Arizona Publi</u>	ic Service		Type of C	Code Stamp	p <u>None</u>	
•				Authoriza	ation No.	<u>N/A</u>	
4. Identification of	of System: CH: Che	emical & Volumn Con	ntrol System		n Date <u>N</u>	<u>/A</u>	·
5.' (a) Applicable	Construction Code	ASME Section III NC	Class 2	1974 Edition, Winter 1	<u>1975</u> Adde	enda, <u>Ála</u> Cod	e Case
(b) Applicable	e Edition of Section ?	XI Utilized for Repair	s or Replace	ments: 1992 Edition.	<u>, 1992 A</u> c	ddenda	
6. Identification c	of Components Repa	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
Valye	Borg Warner	51718	N/A	3JCHBHV0255	1979	Repaired	YES
Seal Weld	N/A	N/A	N/A	3JCHBHV0255	2006	Replacement	NO
Plug/Stem Ass'y	Borg Warner	5481	N/A	3JCHBHV0255	2006	Replacement	NO
Bonnet	Borg Warner	218257-2	N/A	3JCHBHV0255	2006	Replacement	YES
2							
	·					·	
	Work: Disassemble		o replace st	tem/disc ass'y. Remo	ved & re	placed seal we	ld, and
.  8. Test Conducted:	Hydrostatic	Pneumatic	] Nomi	nal Operating Pressure	: 🔯 J	Exempt [	·
N-4	416-2  Other	Pressure 2418 psi		Test Tem	perature	103 °F	
				•	• • • • • • • • • • • • • • • • • • • •		. ;

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.

9. Remarks: Per wo# 2886052 on valve 3JCHBHV0255 the body to bonnet seal weld will need to be removed to
disassemble the valve for stem/disc ass'y replacement Following rework the seal weld will be replaced. The plug/stem
assembly was replaced due to damaged threads on end of stem.
$\mathcal{J}$
Pre-Pressured Test WO Review – ISI
Pre-Pressured Test WO Review – ISI
5-1-04
IIVA
of the control of the
Cortificaté of Compliance
Certificaté 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
Solutions of Fidulity Indian Paris Indian Pa
Signed: fufflet SR. ISI ENGINEER Date: 5/10/06 Owner or Owner's Designee, Title
Owner or Owner's Designee Title
Owner of Owner a Designor, The
Ant and an an an an an an an an an an an an an
CODESTICA ME OF STATEMAN OF STATEMAN
CERTIFICATE OF INSERVICE INSPECTION
1/
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.
requirements of the Asians 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
1 4 7 · · · · · · · · · · · · · · · · · ·
the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a $\blacksquare$
the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
loss of any kind arising from or connected with this inspection.
loss of any kind arising from or connected with this inspection.
loss of any kind arising from or connected with this inspection.  Commissions: NB 9685 "N" "I" AZ264
loss of any kind arising from or connected with this inspection.  Commissions: NB 9685 "N" "I" A Z264  National Board, State, Province, and Endorsements
loss of any kind arising from or connected with this inspection.  Commissions: NB 9685 "N" "I" AZ264
loss of any kind arising from or connected with this inspection.  Commissions: NB 9685 "N" "I" A Z264  National Board, State, Province, and Endorsements

	ASME SECTION	XI – REPAIR / REI	PLACEMENT	
			Pa	ge of
1. Component ID 3PRCEV	<u> 236</u>			
2 Item Description: RCPV	1100E By-pass Valve	• •	4.	
. N-5 Data Package Number		4. W.O. Number:	2886121	
5. Original Construction Co			•	- N
6. Original Installation Code	· · · · · · · · · · · · · · · · · · ·	<del></del>		
7. Work Description: Rep 8. ☐ ISI Flaw	place the valve plug / seat ri	ng assembly  NDE Method of Flaw I	Vatantiant "	
9. [] 121 LISM		Report Number:	·	
9. Evaluation of the suitabili	ity of this work as per the r	•	):	and the second
10. Repair/Replacement Wo 11. Replacement Items Cons 12. Repair/Replacement Act 13. ASME Section XI Code/ 14. Preservice Inspection Re Initial Date 15. ASME Section XI Pressuration Date Initial Date Initial Date	retruction or reconciled Code/Editivity Construction Code/Edition: 1992 Edition and equired:  If required:  If required:  If required:  If required:  16. Include component	Public Service e/Edition: Sec.III Cl 1, 1 lition: Sec. III Cl 1, 1974 nd 1992 Addenda  YES NO l, include a step in the W.C. I YES NO l, include a step in the W.C. l, include a step in the W.C. le a step in the W.C.	974 Edition 1976 Summ Edition 1975 Winter Ad  to perform Preservice  for ISI & ANII Inspect  nplete NIS-2 Form prior	ner Addenda ddenda  Inspection tion. to releasing the
Initial Date 4	T	<u></u>		The market
Item ID	. Part No.	Serial No.	Heat No.	MR/PO/WO No.
Plug / Seat Ring Assembly	APN 45540048	IS/A	46-10A-1A	MR 1090333
		·		
				5.7 7:1
·				
		·		
<del></del>	•			
		<u> </u>		<del></del>
18. Planner Signature  19. ISI Signature	4-21-6	26 Printed Name:	James I. Davis  RL. BROCOLIN  RG. HOGSTROM	4 Log Entry RB

Owner: A	Arizona Public Service	Company, et. al.		•	Date: 04	1/21/2006	<u> </u>	
<u>P.</u>	O. Box 53999, Phoen	<u>ix Arizoria 85072-2</u>	034		Sheet:	1 of 2		•
2. Plant: Pa	alo Verde Nuclear Ger	erating Station			Unit: <u>3</u>		•	:
<u>58</u>	801 South Wintersburg	Road., Tonopah, A	rizona 853	<u>54-7529</u>	Work Ord	ier Numl	per <u>2886121</u>	
3. Work Perf	ormed by: Arizona Publi	c Service	•		Type of C	Code Stan	np None	÷
			,	•	Authoriza	tion No.	<u>N/A</u>	·
				•	Expiration	Date 1	<u> 1/A</u>	
4. Identificati	on of System: Safety Ir	njection		•		•		
5. (a) Applic	able Construction Code	ASME Section III NE	Class 1	<u>1974</u> Editio	on, <u>Summer</u>	1976 Ad	ldenda,/_Co	ode Case.
(b) Applic	cable Edition of Section 2	XI Utilized for Repair	s or Replace	ments: <u>19</u> 9	92 Edition	, 1992 A	ddenda	
6. Identificati	on of Components Repair	ired or Replaced and l	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
• ,	e.	·	140.					(Yes or No)
Valve //	ITT Hammer Dahl	77-0636-001	N/A	3PRCEV2	236	1979	Repaired	YES
Valve Plug	ITT Hammer Dahl	Ht. # 4G10A-1A ,	. N/A	3PRCEV2	236	2006	Replacement	YES
							·	
							1. A. A. A. A. A. A. A. A. A. A. A. A. A.	•
7. Description	of Work: Replace the	plug /seat ring asso	embly			······		,
3. Test Condu	cted: Hydrostatic	Pneumatic	] Nomi	nal Operati	ng Pressure		Exempt 🛛	
	N-416-2  Other	Pressure psi			Test Tem	perature	°F	
		94						
inches, (2)	applemental sheets in formation in items 1 about 1 abo	thru 6 on this repor	t is include	•	•	-		

Remarks: WO 2886121 replaced the plug and seat ring assembly in 3PRCEV236.	
$oldsymbol{e}_i$	
+8'	· · · · · · · · · · · · · · · · · · ·
Pre-Pressured Test WO Review – ISI	
ANII_ AL	
Certificate of Compliance	
We certify that the statements made in the report are correct and this repair conforms to the rules of the Code, Section XI.  Type Code Symbol Stamp	ASME
Certificate of Authorization No. N/A Expiration Date: N/A	_
Signed: 15/ ENG-INEEL Date: 4-30-06  Owner or Owner's Designee, Title	
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 4-21-02 to 4-30-02, and state that to the best of my knowledge and belief, the Owner has perfo examinations and taken corrective measures described in this Owner's Report in accordance with 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, ne	have ormed have blied,
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.	
Commissions: NB 9685 "N" "I" AZ264 National Board, State, Province, and Endorse  Date: 1-30-06	ments

	ASME SECTION	N XI – REPAIR / REP	<b>PLACEMENT</b>	
			<b>P</b> (	age of t
1. Component ID 3SG036				
	m Generator 1 Main Steam I			
3. N-5 Data Package Number		4. W.O. Number:	: <u>2888460</u>	
_	ode Edition: 1974 Edition.  de Edition: 1974 Edition. V			
· -	place the load coupling and	,	-d from 1SG036H011 (f	Serial Number G2502) by
wc	O 2888427			CHAI INUMOCI GESCE, C,
8. ISI Flaw		NDE Method of Flaw I	Detection:	
To take of the cuitahi		Report Number:		•
9. Evaluation of the suitabil		- ·		
	PESSURE BOOK 13DORT MEM)			
CUTAL	IPPORT MEMI ILEBOR CIKE	1 Milaises	- Kenn	<b>2</b> D
		wyone.	7.	
· Management W	Arizon	= • • • • • • • • • • • • • • • • • • •		
<ul><li>10. Repair/Replacement Wo</li><li>11. Replacement Items Con</li></ul>			1074 Edition Winter	- 1075 Addenda
11. Replacement Items Cons 12. Repair/Replacement Act				
13. ASME Section XI Code		and 1992 Addenda	*	75 Addenda
14. Preservice Inspection Re		✓ YES ☐ NO	<b>^</b> '	
		<del>_</del>	•	
Initial J. Date &	•	ed, include a step in the W.C		2 Inspection
15. ASME Section XI Press		☐ YES ☐ NO		·
Initial Date	1-38-06 If required	d, include a step in the W.C	5. for ISI & ANII Insper	ction.
Initial J.O Date 4		de a step in the W.O. to cor	mplete NIS-2 Form pric	or to releasing the
7	17 Includ		"liaahi	"
Initial Date	17. Include replacement	de a step in the W.O. to recent items.	ord below all application	e numbers for repaired of
Item ID	. Part No.	Serial No.	Heat No.	MR/PO/WO No.
Load coupling	CSLCWS5063BN	N/A	N/A	WO 2888427
Anti Friction Collar	A5676	N/A	N/A	WO 2888427
	1			1
. ,			1	
			1	
:				
18. Planner	12-4	21-06 Printed Name:	Tamen I Davis	
18. Planner Signature		Date Printed Name:	, Janies I. Davis	
111/10	1 1/2	O AP mind Name	DI Desa	· D, 12
19. ISI Signature	<del></del>	9-06 Printed Name:	18-LASKOWE	Log Entry
/	·		~	, <b>V</b>
20. ANII Signature		Printed Name:	R.G. Yocestrom	
		Alt		•

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						
1. Owner: Arizo	ona Public Service	Company, et. al.		•	Date: 5	1-06	· · · · · · · · · · · · · · · · · · ·	
<u>P. O.</u>	Box 53999, Phoen	ix Arizona 85072-2	<u>!034</u>		Sheet:	<u>1</u> of <u>2</u>		
2. Plant: Palo	Verde Nuclear Ger	nerating Station	•		Unit: 3			
<u>5801</u>	South Wintersburg	Road., Tonopah, A	Arizona 853.	<u>54-7529</u>	Work Ord	ler Numbe	er <u>2888460</u>	
3. Work Perform	– ned by: <u>Arizona Publ</u> i	ic Service	•	A	Type of C	Code Stam	p <u>None</u>	٠.
				•	Authoriza	tion No.	<u>N/A</u>	
		•			Expiration	Date N	<u>/A</u>	. • •
4. Identification of	of System: Main Ste	<u>eam</u>					,	
5. (a) Applicable	Construction Code	ASME Section III NF	Class 2	<u>1974</u> Editio	n, <u>Winter 1</u>	<u>975</u> Adde	nda, Renues Cod	e Case
(b) Applicable	e Edition of Section	XI Utilized for Repair	rs or Replace	ments: <u>199</u>	92 Edition	, 1992 Ac	<u>idenda</u>	
6. Identification of	of Components Repa	ired or Replaced and I	Replacement	t Componer	nts			
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.		her lication	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or
Spring Support	ITT Grinnell	G3756	N/A	3SG036H	(011	1982	Repaired	No) YES
Load Coupling	ITT Grinnell	G2502	N/A	1SG036H	011	1983	Replacement	NO
Anti-friction Collar	ITT Grinnell	G2502	N/A	1SG036H	011	1983	Replacement	NO
	4						14 % 1 18 % 1	
	*··							
							·	
	•						·	
7. Description of V	Work: Replace the	load coupling and a	anti-friction	collar.				
8. Test Conducted:	: Hydrostatic	Pneumatic	] · Nomi	nal Operatii	ng Pressure	. 🗆 1	Exempt 🛛	•
N-4	416-2  Other	Pressure Ala psi			Test Tem	perature	ω/A o <sub>F</sub>	
								•

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.

Certificate of Compliance  We certify that the statements made in the report are correct and this repair conforms to the rules of the ASMI Code, Section XI.  Type Code Symbol Stamp N/A  Certificate of Authorization No. N/A Expiration Date: N/A  Signed: Date: 5-1-06  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 Arizona and employed by HSB CT of Hartford, Connecticut, have inspected the components described in this Owner's report during the period of Arizona and employed by HSB CT of Hartford, Connecticut, have inspected the components described in this Owner's report during the period of Arizona 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) (A) AZ264 National Board, State, Province, and Endorsements	* Cone Cases For original NF2	<u> </u>	nti-friction collar in 3SG033I مر سعدر المعدر المعدر المعدر المعدر المعدر	• •
We certify that the statements made in the report are correct and this repair conforms to the rules of the ASMI Code, Section XI.  Type Code Symbol Stamp	Pre-Pressured Test WO Review – ISI ANII			
Certificate of Authorization No. N/A Expiration Date: N/A  Signed: Signed: Date: S-1-06  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 Arizona and employed by HSB CT of Hartford, Connecticut, have inspected the components described in this Owner's report during the period of N-2-0-0 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.  By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.  Commissions: NB 9685 "N" "I" AZ264 National Board, State, Province, and Endorsements		Certificate of Co	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 Arizona and employed by HSB CT of Hartford, Connecticut, have inspected the components described in this Owner's report during the period of Arizona 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		n the report are correct	and this repair conforms to	the rules of the ASME
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 Arzacoc to Solve 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	Type Code Symbol Stamp	<u>N/A</u>		- /
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	Certificate of 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 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	Signed:	151 ENG	_	
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	Owner or Owner	r's Designee, Title		
I, the undersigned, holding a valid commission issued by the National Board of boiler and Pressure Vessel Inspectors and the State or Province of Arizona and employed by HSB CT of Hartford, Connecticut, have inspected the components described in this Owner's report during the period of		· · · · · · · · · · · · · · · · · · ·		
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	CEPTIFIC		TOP MODEONION	
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/	ATE OF INSERV	ICE INSPECTION	
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	I, the undersigned, holding a valid conspectors and the State or Province of inspected the components described in to, and state examinations and taken corrective respective.	ommission issued by the of Arizona and employed in this Owner's report of that to the best of my measures described in	e National Board of boiler d by <u>HSB_CT</u> of <u>Hartford</u> luring the period of knowledge and belief, the (	I, Connecticut, have
	I, the undersigned, holding a valid conspectors and the State or Province of inspected the components described in to, and state examinations and taken corrective respective.	ommission issued by the of Arizona and employed in this Owner's report of that to the best of my measures described in	e National Board of boiler d by <u>HSB_CT</u> of <u>Hartford</u> luring the period of knowledge and belief, the (	I, Connecticut, have
	I, the undersigned, holding a valid content of the State of Province of inspected the components described in to, and state examinations and taken corrective of requirements of the ASME Code, Section of the ASME Code, Section of the Inspector nor his employer shall be loss of any kind arising from or connection.	ommission issued by the of Arizona and employed this Owner's report of the ethat to the best of my measures described in tion XI.  Inspector nor his employed in the end of the employed in the end of the employed in the end of the e	e National Board of boiler d by HSB CT of Hartford luring the period of knowledge and belief, the this Owner's Report in over makes any warranty, end in this Owner's report. for any personal injury or particular this owner's report.	A. Connecticut, have

	Abilie Becilor	XI – REPAIR / REI	CACEVIENT	
			P	age of
1. Component ID 3PCHA	V190	•		
2 Item Description: 3" Be	org Warner Check Valve			
3. N-5 Data Package Numb	er: <u>3CH03-8</u>	4. W.O. Number	: <u>2889081</u>	
5. Original Construction Co	ode Edition: 1974 Edition	. Winter 1975 Addenda		•
6. Original Installation Cod	de Edition: 1974 Edition.	Winter 1975 Addenda	•	
	sassemble valve for inspecti		t the seat. May replace of	code parts such as bonnet
	c assembly to expidite work		) Dotootio	
8. ISI Flaw		NDE Method of Flaw I Report Number:	Selection:	
9. Evaluation of the suitabil	ity of this work as ner the r	•	∩·	
	Section III boundary. Cod		•	is out of service
110 Iunaio of the Mortal	2 Oction III Coungury. Cou	o parts and being replace to		zis out or service.
·	·		•	
1	•			W <sub>i</sub>
				• .
10. Repair/Replacement We	• -			/
11. Replacement Items Con				·
12. Repair/Replacement Ac	•		Edition 1975 Winter A	Addenda
13. ASME Section XI Code	Edition: 1992 Edition a	and 1992 Addenda		
14. Preservice Inspection R	equired:	☐ YES ⊠ NO	•	
Initial Deng Date &	7.1.06	J. Sanaturda a akam imaka 557 6	) Dan manfarm Danas suits	· <b>T</b>
•	-	d, include a step in the W.C	•	nspection
15. ASME Section XI Press	•	✓ YES □ No	O	•
A				
Initial Many Date	5-1-06 If required	d, include a step in the W.C	D. for ISI & ANII Inspe	ction.
Initial Date 2	If required	-		
Initial <u>Mary</u> Date <u>d</u> Initial <u>Dary</u> Date <u>d</u>	5-1-D6 If required componer	de a step in the W.O. to con		
Initial Parts Date 2	-1.81 17. Includ	de a step in the W.O. to connt.  de a step in the W.O. to rec	mplete NIS-2 Form pric	or to releasing the
Initial Dang Date	5-1-04 17. Incluse replacement	de a step in the W.O. to cont.  de a step in the W.O. to recent items.	mplete NIS-2 Form pric	or to releasing the e numbers for repaired or
Initial Pung Date	Part No.	de a step in the W.O. to cont.  de a step in the W.O. to recent items.  Serial No.	mplete NIS-2 Form price ord below all applicable Heat No.	or to releasing the e numbers for repaired or MR/PO/WO No
Initial Day Date	5-1-04 17. Incluse replacement	de a step in the W.O. to cont.  de a step in the W.O. to recent items.	mplete NIS-2 Form pric	or to releasing the e numbers for repaired or
Initial Day Date	Part No.	de a step in the W.O. to cont.  de a step in the W.O. to recent items.  Serial No.	mplete NIS-2 Form price ord below all applicable Heat No.	or to releasing the e numbers for repaired or MR/PO/WO No
Initial Pany Date  Item ID  Valve  Bonnet & arm & disc  Assembly	Part No.  N/A  APN 45060209	de a step in the W.O. to cont.  de a step in the W.O. to recent items.  Serial No.  63868  see below	mplete NIS-2 Form price ord below all applicable Heat No.  N/A  n/a	or to releasing the e numbers for repaired or MR/PO/WO No N/A MR 1094093
Initial Date Date  Item ID  Valve  Bonnet & arm & disc  Assembly  Bonnet from assembly	Part No.  N/A  APN 45060209  80724	de a step in the W.O. to cont.  de a step in the W.O. to recent items.  Serial No.  63868  see below	mplete NIS-2 Form price ord below all applicable Heat No.  N/A  n/a  n/a	or to releasing the e numbers for repaired or MR/PO/WO No N/A MR 1094093 same
Initial Date	Part No.  N/A  APN 45060209	de a step in the W.O. to cont.  de a step in the W.O. to recent items.  Serial No.  63868  see below	mplete NIS-2 Form price ord below all applicable Heat No.  N/A  n/a	or to releasing the e numbers for repaired or MR/PO/WO No N/A MR 1094093
Initial Date  Item ID  Valve  Bonnet & arm & disc  Assembly  Bonnet from assembly	Part No.  N/A  APN 45060209  80724	de a step in the W.O. to cont.  de a step in the W.O. to recent items.  Serial No.  63868  see below	mplete NIS-2 Form price ord below all applicable Heat No.  N/A  n/a  n/a	or to releasing the e numbers for repaired or MR/PO/WO No N/A MR 1094093 same
Initial Date Date  Item ID  Valve  Bonnet & arm & disc  Assembly  Bonnet from assembly	Part No.  N/A  APN 45060209  80724	de a step in the W.O. to cont.  de a step in the W.O. to recent items.  Serial No.  63868  see below	mplete NIS-2 Form price ord below all applicable Heat No.  N/A  n/a  n/a	or to releasing the e numbers for repaired or MR/PO/WO No N/A MR 1094093 same
Initial Date	Part No.  N/A  APN 45060209  80724	de a step in the W.O. to cont.  de a step in the W.O. to recent items.  Serial No.  63868  see below	mplete NIS-2 Form price ord below all applicable Heat No.  N/A  n/a  n/a	or to releasing the e numbers for repaired or MR/PO/WO No N/A MR 1094093 same
Initial Page Date  Item ID  Valve  Bonnet & arm & disc Assembly  Bonnet from assembly  Disc from assembly	Part No.  N/A  APN 45060209  80724  76327	de a step in the W.O. to contint.  de a step in the W.O. to recent items.  Serial No.  63868  see below  3 2	mplete NIS-2 Form price ord below all applicable Heat No.  N/A  n/a  n/a  n/a	or to releasing the e numbers for repaired or MR/PO/WO No N/A MR 1094093 same
Initial Puny Date  Item ID  Valve  Bonnet & arm & disc Assembly  Bonnet from assembly  Disc from assembly  18. Planner Quant	Part No.  N/A  APN 45060209  80724  76327	de a step in the W.O. to contint.  de a step in the W.O. to recent items.  Serial No.  63868  see below  3 2  Printed Name:	mplete NIS-2 Form price ord below all applicable Heat No.  N/A  n/a  n/a	or to releasing the e numbers for repaired or MR/PO/WO No N/A MR 1094093 same
Initial Pag Date  Item ID  Valve  Bonnet & arm & disc Assembly  Bonnet from assembly  Disc from assembly	Part No.  N/A  APN 45060209  80724  76327	de a step in the W.O. to contint.  de a step in the W.O. to recent items.  Serial No.  63868  see below  3 2  Printed Name:	mplete NIS-2 Form price ord below all applicable Heat No.  N/A  n/a  n/a  n/a  2. David Goodlet	MR/PO/WO No N/A MR 1094093  same same
Initial Pung Date	Part No.  N/A  APN 45060209  80724  76327	de a step in the W.O. to contint.  de a step in the W.O. to recent items.  Serial No.  63868  see below  3 2  Printed Name:	mplete NIS-2 Form price ord below all applicable Heat No.  N/A  n/a  n/a  n/a  2. David Goodlet	or to releasing the  e numbers for repaired or  MR/PO/WO No  N/A  MR 1094093  same  same
Initial Dany Date	Part No.  N/A  APN 45060209  80724  76327	de a step in the W.O. to contint.  de a step in the W.O. to recent items.  Serial No.  63868  see below  3 2  Printed Name:	mplete NIS-2 Form price ord below all applicable Heat No.  N/A  n/a  n/a  n/a  2. David Goodlet	or to releasing the  e numbers for repaired or  MR/PO/WO No  N/A  MR 1094093  same  same
Initial Dany Date	Part No.  N/A  APN 45060209  80724  76327	de a step in the W.O. to contint.  de a step in the W.O. to recent items.  Serial No.  63868  see below  3 2  Printed Name:	mplete NIS-2 Form price ord below all applicable Heat No.  N/A  n/a  n/a  n/a	or to releasing the  e numbers for repaired or  MR/PO/WO No  N/A  MR 1094093  same  same

73DP 9Z7.17 Res

			<del></del>				
1. Owner: Arizo	ona Public Service	Company, et. al.		Date: <u>5</u> /	/1/2006	4.	
<u>P. O.</u>	Box 53999, Phoen	nix Arizona 85072-2	Sheet:	Sheet: <u>1</u> of <u>2</u>			
2. Plant: Palo Verde Nuclear Generating Station Unit: 3 "							, ,
5801	South Wintersburg	g Road., Tonopah, A	Arizona 853	54-7529 Work Or	rder Numbe	er <u>2889081</u> .	•
3. Work Performe	ed by: <u>Arizona Publi</u>	ic Service		Type of	Code Stamp	np <u>None</u>	
				Authoriz	zation No.	<u>N/A</u>	,
	al	<b>a</b> .		•	on Date N	<u>//A</u>	
	•	emical & Volumn Cor		•		/ <sub>H</sub>	٠
5. (a) Applicable	Construction Code	ASME Section III NO	C. Class 2	1974 Edition, Winter	1975 Adde	enda, Ala Cod	le Case
(b) Applicable	Edition of Section	XI Utilized for Repair	rs or Replace	ments: 1992 Edition	<u>n, 1992 A</u>	<u>ddenda</u>	,
6. Identification o	f Components Repair	aired or Replaced and I	Replacement	t 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	Borg Warner	63868	N/A	3PCHAV190	1980	Repaired	YES
Bonnet & arm & disc Assembly	Borg Warner	213336-B3	N/A	3PCHAV190	1991	Replacement	YES
Bont from above	Borg Warner	3	N/A	3PCHAV190	1991	Replacement	YES
Disc from above	Borg Warner	2	N/A	3PCHAV190	1991	Replacement	NO
	Section 1						
•	,						
7. Description of V	Work: Disassemble	ed valve to rework t	to correct se	eal leakage.		<del></del>	٠.
3. Test Conducted:	: Hydrostatic	Pneumatic	Nomi	inal Operating Pressur	re 🛛	Exempt	
N-4	116-2  Other	Pressure 21 psi	<b>i</b>	Test Ter	mperature	<u>75</u> °F	<b>-</b> .
•		1			•		
NOTE: Supple	emental sheets in fo	form of lists, sketche	es or drawi	nos may be used pr	ovided (1)	size is 8 ½ X	11
TIO CONT	/1110110ml concern	71441 V4 41000, U	<i>O</i> , <i>O</i>	750	,,,,,,		

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.

FO	RI	И	NI	<b>S-2</b>	(Ba	ck)
$\mathbf{L}$				_	1224	

FURIVI	1415-2 (Dack)
	isassemble the valve for inspection and rework to correct seat
leakage. A complete bonnet & arm & disc assembly wil	1 replaced to minimize the time the valve is out of service
.j''	
Pre-Pressured Test WO Review – ISI	5-2-06
/- 52-	
ANII (	
Certificat	e of Compliance
We certify that the statements made in the report are ASME Code, Section XI.	correct and this replacement conforms to the rules of the
Type Code Symbol StampN/A	
Certificate of Authorization No. N/A	Expiration Date: N/A
Signed:	151 ENGINEER Date: 5-5-06
Owner or Owner's Designee, Title	
·	
CERTIFICATE OF IN	SERVICE INSPECTION
V. The second of the second of	
I, the undersigned, holding a valid commission issu	ed 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	
	st of my knowledge and belief, the Owner has performed ribed in this Owner's Report in accordance with the
requirements of the ASME Code, Section XI.	moed 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,
	s 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 is	nspection.
10 14th	Commissions: NB 9685 "N" "I" AZ264
Inspectors Signature	National Board, State, Province, and Endorsements
Date: 5-5-06	
Date: 4-6-06	

	ASME SECTION	XI - REPAIR / REP	LACEMENT	
			· P	age of
1. Component ID 3MRCE	P01C			
2., Item Description: Read	tor Coolant Pump			
3. N-5 Data Package Numb	er: <u>3RC02-6</u>	4. W.O. Number:	2889226	٠.
5. Original Construction C	ode Edition: 1974 Edition	•		•
6. Original Installation Cod	de Edition: 1974 Edition, V	Vinter 1975 Addenda		•
7. Work Description: Re	place missing nut on #1 kitty	bone external flange.		
8. 🔲 ISI Flaw	•	NDE Method of Flaw D	etection:	
		Report Number:	٠,	
9. Evaluation of the suitabi	lity of this work as per the re	equirements of IWA - 4150	) <b>:</b>	
No failure of Section X	I pressure boundry. Mssing	nut being replaced/		
•				
•	•		•	
				4
10. Repair/Replacement W	ork Organization: Arizona	Public Service		,
11. Replacement Items Cor	struction or reconciled Code	Edition: Sec. III Cl 1, 1	974 Edition 1975 Win	ter A'ddenda
12. Repair/Replacement Ac	ctivity Construction Code/Ed	lition: Sec. III Cl 1, 1974	Edition 1975 Winter A	<u>Addenda</u>
13. ASME Section XI Code	Edition: 1992 Edition at	nd 1992 Addenda		
14. Preservice Inspection R	equired:	☐ YES 🖾 NO		
Initial By Date	5/2/06			. <b>.</b>
		, include a step in the W.O	-	e Inspection
15. ASME Section XI Press	sure Test Required:	☐ YES ⊠ NO	)	
Initial Por Date	5/2/06 If required	, include a step in the W.O	. for ISI & ANII Inspe	ection.
1	-/ / 16 Includ	le a step in the W.O. to con	aplete NIS-2 Form pric	or to releasing the
Initial 170 Date	5/8/06 componen			
11:not	_ / / 17. Includ	e a step in the W.O. to reco	ord below all applicabl	e numbers for renaited or
Initial 18V Date	>/2/06 replacement			
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
Nut, SA194 GR 7	APN 43120487		QAO	MR 1094445
40				
· · · · · · · · · · · · · · · · · · ·			·	
· · · · · · · · · · · · · · · · · · ·				
•	<u> </u>			
·		<u> </u>	<u> </u>	<u>.l</u>
8. Planner Bli	0.0 5/2	2/06 Printed Name:	Barhara Vidal	٠
Signature	/ <sub>D</sub>	rate Trimed Ivanie.	Daioata Vigat	•
			0.4.4	· ant
9. ISI	- 5-2	Printed Name:	DiBiHersen	Log Entry_ <i>DBH</i>
Signature	, , , , , , , , , , , , , , , , , , , ,	ale A		
O. ANII BOD Hogs	stom pente	Recom Printed Name:	Bob Hogst	rom'
Signature	1/3/19	ate I	0	. :
/216-06NI (G-84)	Cla	06	•	710P-972217 Rev 9
. •	ا ا			•

#### 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: <u>05</u>		•	
P. O. Box 53999, Phoenix Arizona 85072-2034						1 of · 2		.•
2. Plant: Palo Verde Nuclear Generating Station								
<u>5801 S</u>	South Wintersburg	Road., Tonopah, A	rizona 8535	<u>54-7529</u>	Work Ord	ier Numbe	r <u>2889226</u>	
3. Work Performe	ed by: Arizona Public	c Service	·		Type of C	Code Stamp	None None	
			•		Authoriza	tion No.	<u>N/A</u>	
		•			Expiration	n Date <u>N/</u>	<u>'A</u>	
4. Identification o	of System: RC			·	•		: : :	
5. (a) Applicable	Construction Code /	ASME Section III NB	. Class 1	1974 Editic	n, <u>۵۰</u> ۸	Addenda, <u>N</u>	V/A Code Case	
(b) Applicable	Edition of Section 2	I Utilized for Repair	s or Replace	ments: <u>19</u>	92 Edition	<u>. 1992 Ad</u>	<u>ldenda</u>	
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)
	<u> </u>		'	`		•	-	
Nut	KSB Inc	~/^	NA	APN 431	20487	2006	Replacement	<i>N</i> <sub>0</sub>
Nut	KSB Inc	nda.	n)A	APN 431	20487	2006	Replacement	ν₀
Nut	KSB Inc	~la	n)la	APN 431	20487	2006	Replacement	Ν <sub>ο</sub>
Nut	KSB Inc	Alea	nda .	APN 431	20487	2006	Replacement	120
Nut	KSB Inc	~l~	nda .	APN 431	20487	2000	Replacement	7℃
Nut	KSB Inc	~la	nda .	APN 431	20487	2006	Replacement	720
Nut	KSB Inc	Alea	n) A	APN 431	20487	2000	Replacement	200
							Replacement	720
	Vork: No failure of	f Section XI pressur	re boundry.	Mssing n	ut being re	eplaced.	Replacement	720
7. Description of V 8. Test Conducted:	Vork: No failure of	f Section XI pressur	re boundry.	Mssing n	ut being re	eplaced.	Exempt ⊠	700
7. Description of V 8. Test Conducted:	Vork: No failure of	f Section XI pressur	re boundry.	Mssing n	ut being re	eplaced.	Exempt ⊠	ν

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# 2889226. Missing nut being replaced.	
.se <sup>t</sup>	
Pre-Pressured Test WO Review - ISI	
ANII A	
Certificat	e of Compliance
We certify that the statements made in the report are ASME Code, Section XI.	e correct and this replacement conforms to the rules of the
Type Code Symbol StampN/A	
Certificate of Authorization No. N/A	Expiration Date: N/A
Signed: Owner or Owner's Designee, Title	151 ENGINEER Date: 5-5.06
I, the undersigned, holding a valid commission issue Inspectors and the State or Province of Arizona and inspected the components described in this Owner's to, and state that to the be	ned by the National Board of boiler and Pressure Vessel employed by HSB CT of Hartford, Connecticut, have a report during the period of
concerning the examinations and corrective measure	his employer makes any warranty, expressed or implied, is described in this Owner's report. Furthermore, neither manner for any personal injury or property damage or a inspection.
Inspectors Signature	Commissions: NB 9685 "N" "I" AZ264  National Board, State, Province, and Endorsements
Date: 5-5-06	_