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102-05759-TNW/RJR October 18, 2007

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

Dear Sirs:

Subject:

Palo Verde Nuclear Generating Station (PVNGS)

Unit 1. Docket No. STN 50-528

Unit 1 Second 10-Year Interval - Thirteenth Refueling Outage

Inservice Inspection Summary Report

Pursuant to 10 CFR 50.55a and IWA-6230 and IWA-6240 of Section XI of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, 1992 Edition, 1992 Addenda, Arizona Public Service Company (APS) hereby submits the PVNGS Unit 1 Inservice Inspection Report for the thirteenth refueling outage, provided in the Enclosure. APS completed Unit 1's Refueling Outage on July 19, 2007.

This letter does not make any commitments to the NRC. If you have any questions or require additional information, please contact Glenn A. Michael at (623) 393-5750.

Sincerely,

howas 1. Wall.

TNW/GAM/RJR/gt

Enclosure

cc: E. E. Collins, Jr.

NRC Region IV Regional Administrator

M. T. Markley

NRC NRR Project Manager

G. G. Warnick

NRC Senior Resident Inspector for PVNGS

A047

PALO VERDE NUCLEAR GENERATING STATION

UNIT 1

INSERVICE INSPECTION REPORT

THIRTEENTH REFUELING OUTAGE

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

PREPARED BY: Johnson	DATE: 10/13/07
REVIEWED BY: (All except B15.XX and C7.XX Pressure Testing)	DATE: 10/14/07
REVIEWED BY: A. M. L. (B15.XX and C7.XX Pressure Testing)	DATE: 10/15/07
APPROVED BY:	DATE: 10/15/07

COMMERCIAL SERVICE DATE:

REPORT DATE:

01/28/1986 10/13/2006

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UNIT 1 INSERVICE INSPECTION REPORT

1.0 Introduction

This report is a summary of the examinations performed during the thirteenth refueling outage at the Palo Verde Nuclear Generating Station (PVNGS) Unit 1. This report also includes all applicable examinations conducted since the last refueling outage. This was the second refueling for Interval 2, Period 3 which was conducted from May 19, 2007 through July 19, 2007. Palo Verde Unit 1 began commercial operation on January 28, 1986.

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

- 1. ASME Section XI, Class 1 and 2 pressure retaining components and their supports.
- 2. Risk Informed Inservice Inspection in accordance with EPRI TR-1006837 (Relief Request 32)
- 3. Risk Informed Break Exclusion Region in accordance with PVNGS UFSAR Section 6.6.1.

This report is a summary of the ISI examinations performed during the Second Interval. This report is a summary of the Period 1, 2 and 3 examinations performed through the thirteenth refueling outage. All of the examination report numbers listed in Appendix A for the thirteenth refueling and examinations performed since the last Summary Report are in bold type.

2.0 Examination Summary

- 2.1 The evaluation of the results from the ISI examinations indicated the integrity of the systems has been maintained. All discrepancies were corrected or determined "use-as-is" in accordance with PVNGS work control practices and ASME Section XI.
- 2.2 Various recordable indications were detected during the performance of examinations. These indications were recorded, evaluated found to be acceptable and are maintained on file.
- 2.3 It was identified that bare metal examinations of non-resistant bolting was not performed with insulation removed during the first and second periods. Corrective action documents (CRDR's) were initiated to address the first and second period examinations. Operability determinations were performed pending completion of the examinations during the third period and the examinations were scheduled. During the third period, examinations were performed and indications of leakage were identified at several locations. The bolting was removed for further examination and evaluation in accordance with relief request 12. All conditions were found to be acceptable.
- 2.4 The remainder of the second interval examinations are scheduled for completion during 1R14, this is within the one year extension allowed by ASME Section XI IWA-2430(d)

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
	ECT	Eddy Current

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 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, Mac Gill, Thomas, Inc. (LMT), Structural Integrity, Westinghouse 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

- 7.1 No repairs or replacement were performed as a result of Section XI ISI examinations performed during U1R13. The applicable records and reports for the specific maintenance repair and replacements performed after the last summary report are maintained on file at Palo Verde. The applicable NIS-2 forms are attached to Appendix D and are submitted for review with this report.
- 7.2 During an Augmented visual examination, a broken load collar / coupling was identified on hangers 3SG042H011 and 3SG045H011. Scope was expanded and the damaged load coupling was replaced under work order 3021090 and 3022219.

APPENDIX A

INSERVICE INSPECTION SUMMARY REPORT

APPENDIX A

Definition of Terms

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

ASME Item No - The ASME Section XI Category/Item Numbers are listed in the Code,

Subsections IWB and IWC. The item number prefixes are defined below:

AHE - Augmented high energy systems piping (RI-BER)

B - ASME Class 1 systems C - ASME Class 2 systems

Zone No - Area designation per PVNGS design

Component or system description

Insp Per - Inspection period

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

Amt Comp - Number of *required* items completed

Item ID - Item identification per ISI program/zone drawings

Reports (VOL) - Volumetric exam report number

(SURF) - Surface exam report number

(VIS) - Visual exam report number

Remarks - Re-exam or replacement remarks indicate acceptable examination results, all

examinations are acceptable unless stated otherwise.

Definition of terms continued

Acc - Accessible

ADV - Atmospheric Dump Valve

Aux - Auxiliary

Atmos - Atmospheric

CEDM - Control Element Drive Mechanism

Circ - Circumferential

Cont - Containment

CS - Containment Spray

CSP - Containment Spray Pump

FW - Feedwater

HPSI - High Pressure Safety Injection

HTRS - Heaters

ICI - In Core Instrumentation

IEB - Inspection and Enforcement Bulletin

Letdown HT Exch - Letdown Heat Exchanger

LPSI - Low Pressure Safety Injection

MS - Main Steam

MT - Magnetic Particle Test

Press Bound - Pressure Boundary

PSE - Preservice Examination
PSV - Pressurizer Safety Valve

PZR - Pressurizer

RCP - Reactor Coolant Pump
RCS - Reactor Coolant System

Reg HT Exch - Regenerative Heat Exchanger

SD - Shutdown

SG - Steam Generator

Snub - Snubber Reduction Program

Surf - Surface

UT - Ultrasonic Testing

Vis - Visual

Vol - Volumetric

ASME Item no	Zone	Comp/Sys	Insp . Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
AHE	47	MS SG1	One	13	13	47-1	99-1361	99-1280		
5.51 &			1			47-2	99-1360	99-1280		
5.52						47-4	99-1305	99-1281		
			ļ			47-8	99-1306	99-1281		
			ļ			47-12	99-1307	99-1281		
			—			47-14A	99-1356	99-1280	-	
						47-16 47-20	99-1308 99-1309	99-1281 99-1281		
			+			47-24	99-1352	99-1281		
						47-25	99-1350	99-1280		
						47-28	99-1348	99-1282		
			+			47-29	99-1349	99-1282		
			 			47-30	99-1351	99-1280		
	48	MS SG1 East	Two	12	12	48-01	UT-04-006	MT-04-009		
			 			48-02	UT-04-007	MT-04-010		
						48-04	UT-04-009	MT-04-012		
						48-08	UT-04-011	MT-04-014		
						48-12	UT-04-013	MT-04-016		
						48-14A	UT-04-014	MT-04-017		
						48-16	UT-04-016	MT-04-019		
						48-20	UT-04-018	MT-04-021		
						48-24	UT-04-020	MT-04-023		No credit
						48-25	UT-04-021	MT-04-024		
						48-28	UT-04-023	MT-04-026		
						48-29	UT-04-024	MT-04-027		
						48-30	UT-04-025	MT-04-028	•	
	50	MS (West) SG	Three	5	5	50-16	UT-05-174			* Risk Informed BER per EPRI
						50-20	UT-05-176			TR-1006834 implemented in
						50-24	UT-05-178			Period 3, replacing AHE
						50-25	UT-05-179			requirements
						50-28	UT-05-181			
	51	Atmos Dump SG1	One	13	13	51-1	99-1345	99-1287		
			4			51-2	99-1362	99-1287		
			<u> </u>			51-3	99-1363	99-1287		
			4			51-4	99-1364	99-1287		
		· · · · · · · · · · · · · · · · · · ·				51-5	99-1365	99-1287		
						51-6	99-1366	99-1287		
			 			51-7	99-1367	99-1288		
						51-8A	99-1368	99-1288		
			_			51-8B	99-1369	99-1287		_
	-		-			51-9	99-1370	99-1287 99-1287		,
	-				-	51-51 51-84	99-1371 99-1346	99-1287		
			+			51-85	99-1346	99-1287		
			Two	14	14	51-26	UT-04-028	MT-04-031		
			1			51-27	UT-04-029	MT-04-031		
	 					51-28	UT-04-030	MT-04-032		
- 	 					51-29	UT-04-031	MT-04-034		
· · · · · · · · · · · · · · · · · · ·			· .			51-30	UT-04-032	MT-04-035		
						51-31	UT-04-033	MT-04-036		
						51-32	UT-04-034	MT-04-037		
						51-33	UT-04-035	MT-04-038		
						51-34	UT-04-036	MT-04-039		
						51-37	UT-04-037	MT-04-040		
						51-49	UT-04-038	MT-04-041		
						51-86	UT-04-039	MT-04-042		
						51-87	UT-04-040	MT-04-043		
						51-88	UT-04-041	MT-04-044		
	53	Steam to Aux FW	One	10	10	53-11	99-1538	99-1506		
						53-12	99-1539	99-1506		
	ļ					53-13	99-1540	99-1506		PSE
	<u> </u>			<u> </u>	<u>L</u>	53-14	99-1541	99-1506		L

ASME Item no	Zone	Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
						53-15	99-1542	99-1506		
						53-21	99-1543	99-1506		
						53-22	99-1544	99-1506		
•						53-23	99=1545	99-1506		
						53-24	99-1546	99-1506		PSE
			<u> </u>			53-25	99-1547	99-1506		
			Two	9	9	53-1	UT-02-262	MT-02-187		
							UT-02-278			
						53-2	UT-02-263	MT-02-175	_	
		· · · · · · · · · · · · · · · · · · ·			L	53-4	UT-02-264	MT-02-188		
			<u> </u>			53-5	UT-02-265	MT-02-189		
						53-6	UT-02-267	MT-02-190		
						53-7	UT-02-268	MT-02-191		
						53-8	UT-02-269	MT-02-192		
						53-9	UT-02-270 .	MT-02-193		
						53-10	UT-02-271	MT-02-194		
	56	Feedwater SG1	One	7	7	56-1	01-1411	01-1328	. <u> </u>	
			_			56-3	01-1412	01-1328		
						56-4	01-1429	01-1328		
					LI	56-6	01-1413	01-1328		
						56-7	01-1414	01-1328		
						56-9	01-1415	01-1328		
						56-11	01-1416	01-1328		
	57	Feedwater SG 2	Three	2	2	. 57-1	UT-05-187			*
						57-3	UT-05-188			
	60	Downcomer SG1	One	9	9	60-7	99-1708	99-1646		
						60-8	01-1221	01-1230		
						60-9	01-1222	01-1230		•
						60-11	01-1223	01-1230		
						60-12	01-1224	01-1230	_	
						60-14	99-1625	99-1646		
						60-15	99-1658	99-1646		
						60-16	99-1666	99-1646		
						60-17	99-1667	99-1646	_	
			Two	5	5	60-02	UT-04-067	MT-04-066		
						60-03	UT-04-068	MT-04-067	-	
						60-04	UT-04-069	MT-04-068		
						60-05	UT-04-070	MT-04-069		
						60-06	UT-04-071	MT-04-070		
" '	61	Downcomer SG1	Two	5	5	61-02	UT-04-072	MT-04-071		
						61-03	UT-04-073	MT-04-072		
						61-04	UT-04-074	MT-04-073		
						61-05	UT-04-075	MT-04-074		
						61-06	UT-04-076	MT-04-075		
			Three	4	4	61-14	UT-05-189			*
						61-15	UT-05-190			
						61-16	UT-05-191			
						61-17	UT-05-192			
	66	Blowdown SG1	One	9	9	66-1	99-1469	99-1416		
						66-2	99-1470	99-1416		
						66-3	99-1471	99-1416		
						66-5	99-1472	99-1416		
						66-6	99-1473	99-1416		
						66-7	99-1474	99-1416		
						66-8	99-1475	99-1416		
		`				66-9	99-1476	99-1416		
						66-26	99-1477	99-1416		
			Two	6	6	66-10	UT-04-080	MT-04-080		
				·		66-11	UT-04-081	MT-04-081		
				Τ .	T	66.10		- 		
	1	ì				66-12	UT-04-082	MT-04-082		į.
,			 			66-13	UT-04-082 UT-04-083	MT-04-082 MT-04-083		

Art of the second

ASME Item no	Zone	Comp/Sys	Insp Per	Amt Reg	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
	1					66-15	UT-04-085	MT-04-085		
AHE	51	Atmos Dump SG1	Two	21	21	51-101	UT-04-042	MT-04-045		
5.61 &						51-102	UT-04-043	MT-04-046		
5.62						51-103	UT-04-044	MT-04-047		
						51-104	UT-04-045	MT-04-048		
						51-105	UT-04-046	MT-04-049		
						51-106	UT-04-047	MT-04-050		
						51-107	UT-04-048	MT-04-051		
						51-108	UT-04-049	MT-04-052		
						51-109	UT-04-050	MT-04-053		
						51-110	UT-04-051	MT-04-054		
]					51-111	UT-04-052	MT-04-055		
						51-112	UT-04-053	MT-04-056		
						51-113	UT-04-054	MT-04-057		
						51-114	UT-04-055	MT-04-058		
	<u> </u>					51-115	UT-04-056	MT-04-059		
	1					51-116	UT-04-057	MT-04-060		
					,	51-117	UT-04-058	MT-04-061		,
						51-118	UT-04-059	MT-04-062		
						51-119	UT-04-060	MT-04-063		
						51-120	UT-04-061	MT-04-064		
						51-121	UT-04-062	MT-04-065		
AHE	47	MS SG1 West	One	7	6	47-3	99-1359	99-1280		
5.81 &						47-7	99-1358	99-1280		
5.82				•		47-11	99-1357	99-1280		
						47-15	99-1355	99-1280		
		<u> </u>				47-19	99-1354	99-1280		
						47-23	99-1353	99-1280		
						47-27		99-1280		
			Two	0	1	47-27	UT-04-005	MT-04-008		
	48	MS SG1 East	Two	9	9	48-03	UT-04-008	MT-04-011		
						48-07	UT-04-010	MT-04-013		
						48-11	UT-04-012	MT-04-015		
						48-15	UT-04-015	MT-04-018		
						48-19	UT-04-017	MT-04-020		
						48-23	UT-04-019	MT-04-022		
		·				48-27	UT-04-022	MT-04-025		
						48-34	UT-04-026	MT-04-029		
						48-35	UT-04-027	MT-04-030		Aug, Limited UT exam
	50	MS (West) SG	Three	4	4	50-15	UT-05-173			*
						50-19	UT-05-175			
						50-23	UT-05-177			
						50-27	UT-05-180			

ASME Class 1

B 1.22	2	Closure Head	One	1	1	2-4	99-1466	99-1458	Accessible Areas RR#14
							99-1479		
							99-1481		
						•	99-1483		· ·
B 1.30	1	Reactor Vessel	One	50%	50%	1-14	*		Examined 0°-180°
B 1.40	2	Closure Head	One	33%	33%	2-1	99-1465	99-1458	Examined 0°-120°
			1				99-1478		*Separate Report by Wesdyne. Exam
1	*						99-1480]	completed in 1R8
							99-1482		
			Two	33%	33%	2-1	UT-04-107	MT-04-001	Examined 120-240°
			Three	33%	34%	2-1	07-UT-1001	07-MT-1001	Examined 240-360°
B 2.11 &	5	Pressurizer	One	66%	66%	5-2	99-1448		Examined 0°-240°
2.12							99-1450		
							99-1452		
							99-1454		

ASME Item no	Zone	Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
						5-3	99-1449	†		1' long seam for 5-2
					l		99-1451	ļ .		
		·					99-1453			
							99-1455			
			Two	66%	66%	5-6	UT-02-243			1' long seam for 5-8
4							UT-02-244			
							UT-02-245 UT-02-246			
			1					ļ		. 100 0400
			1			5-8	UT-02-238			Examined 0°-240°
		Į.			l		UT-02-240 UT-02-241			Į.
							UT-02-241 UT-02-242			
B 2.31	3	SG 1	One	33%	33%	3-5	01-1200	 		Examined 0°-120°
D 2.31	3	30 1	One	3376	3376	3-3	01-1200	1		Examined 0 -120
							01-1211	1		
1							01-1234			
	-		Two	33%	33%	3-5	UT-02-139	+		Examined 120°-240°
			'"	22/0	3370	J-J	UT-02-139			2
							UT-02-147	[· ·
]		UT-02-149	1		·
	-		Three	0	0.	3-108	UT-05-102		,	PSE
	4	SG 2	Three	0	0	4-108	UT-05-140	† 		PSE
B 2.32		SG 1	One	33%	33%	3-3	01-1199	 	_	T
2.52			00	50,5			01-1212			
				:			01-1213	1		ì
							01-1233			
			1 -			3-10	01-1203	i i		
	1		1	1	1		01-1208	1		
			t				01-1218			·
							01-1237			·
						3-11	01-1200			
	i				:		01-1201	1		
	ľ	'					01-1210			
							01-1211			
							01-1214	1		Í
	•				ĺ		01-1215			:
							01-1234			
							01-1235		_	
						3-12	01-1201			
	ŀ						01-1210			1
							01-1215			
	<u> </u>						01-1235			
B 2.40	3	SG 1	One	50%	50%	3-6	01-1201	1		Examined 0°-180°
	ļ	ļ					01-1210	, l		1
							01-1215			
	Ь—						01-1235	ļ		1000
	<u> </u>	<u></u>	Three	0	0	3-106	UT-05-101	 		PSE
	<u> </u>	000		5001	C001	3-107	UT-05-100	<u> </u>		PSE 11800 2600
	4	SG 2	Two	50%	50%	4-6	UT-02-260]		Examined 180°-360°
							UT-02-280			
							UT-02-281 UT-02-282			1
	<u> </u>		nm.		<u> </u>	4 107		 		DCE
	_		Three	0	0	4-106	UT-05-138	 		PSE PSE
D 2 00	1	Deactor Vescel	0=2	2	2	4-107	UT-05-139	 		
B 3.90	1	Reactor Vessel	One	 _		1-15	*	 		*Separate Report
	1	Reactor Vessel	One	2	 , 	1-18 1-15	*			by Wesdyne. Exam
B 3 100		Reactor Vessel	One	 _	2	1-15	*	 		completed in 1R8
B 3.100	1									-
B 3.100		Pressurizer	One	2	-,		01.1292			
B 3.100 B 3.110		Pressurizer	One	2	2	5-9	01-1283			
		Pressurizer	One	2	2		01-1283 01-1284 01-1286			

ASME Item no	Zone	Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
Item no			1 61	Keq	Comp	5-11	01-1267			<u> </u>
							01-1268			
							01-1269			
							01=1270			
			Two	2	2	5-10	UT-02-252			
							UT-02-253			,
							UT-02-254			
<u> </u>							UT-02-255			·
						5-13	UT-02-247			
							UT-02-248			
	,						UT-02-250 UT-02-251			
B 3.120	5	Pressurizer	One	2	2	5-9	01-1285	 		
D 3.120	,	i ressurizer	One	2	2	3-9	01-1263			
			+			5-11	01-1365			
						3-11	01-1366			
			Two	2	2	5-10	UT-02-266			
<u> </u>	-				- 	5-13	UT-02-272			
B 3.130	3	SG 1	One	1	1	3-9	01-1202	 		
			""	` .			01-1202			
[01-1217			
			1				01-1236			·
			Two	1	1	3-7	UT-02-134			· · · · · · · · · · · · · · · · · · ·
							UT-02-143			
/							UT-02-145			
1							UT-02-146			
			Three	0	0	3-100	UT-05-103			PSE
						3-101	UT-05-107			PSE
						3-102	UT-05-105			PSE
	4	SG 2	One	1	1	4-9	01-1376			
	ĺ						01-1377	ļ		Į.
							01-1378			
							01-1379			
			Two	1	1 ,	4-7	UT-02-138			
							UT-02-142			1
	1			ŀ	ľ		UT-02-144			1
	ļ						UT-02-148			
1	l		Three	0	0	4-100	UT-05-135			PSE, 0 - 6 & 14 - 19, UT CC N-460
						4 101	UT-05-218			PSE 6 - 14, UT CC N-460
			 	<u> </u>	ļi	4-101	UT-05-136	-		PSE, UT CC N-460
D 2 140	,	SC 1	+	٠,		4-102	UT-05-137	1		PSE, UT CC N-460
B 3.140	3	SG 1	One	1	1	3-9	01-1367 01-1368			
	 		Two	1	1	3-7	UT-02-132	 		
	<u> </u>		Three	0	0	3-100 IR	UT-05-104			PSE
\vdash			111166	<u> </u>		3-100 IR 3-101 IR	UT-05-104			PSE
			 			3-101 IR 3-102 IR	UT-05-106	<u> </u>		PSE
 	4	SG 2	One	1	1	3-102 IK 4-9	01-03-106			I SL
			One	١ '	,	1- /	01-1309			
			Two	1	1	4-7	UT-02-135			
			Three	0	0	4-100 IR	UT-05-203	†		PSE
			1			4-101 IR	UT-05-204	1		PSE
			1	<u> </u>		4-102 IR	UT-05-205			PSE
B 4.11	2	Closure Head	Two	0	0	RPV Vent	1 200	ECT-*	04-235	Aug exam NRC Order EA-03-009,
									04-236	*Wesdyne Report
			Three	0	0 .	Vent Nozzles	UT-*	ECT-*	VT-05-644	Aug exam, NRC Order EA-03-009
			1						07-VT-1092	*Wesdyne Report
	2	Closure Head	One	8	8	CEDM Noz	·	ļ	01-1627	
B 4.12				0	8	CEDM Noz	UT-*	ECT-*	VT-02-700	All (EA-03-009)
B 4.12			Two	8	^	CEDIVI NOZ	01-	I ECI-	V 1-02-700	All (EA-03-009)
B 4.12			Two	8	, ,	CEDMI NOZ	01-	BC1-	04-235 04-236	*Wesdyne Report

ASME Item no	Zone	Comp/Sys	Insp Per	Amt Reg	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
			Three	9	9	CEDM-Nozzles	*	*	VT-05-642 07-VT-1111	All, NRC Order EA-03-009 *Wesdyne Rpts
B 4.13	1	Reactor Vessel	One	5	5	Inst. Noz.			01-1627	Wesdylle Kpts
B 4.13		reactor vesser	Two	5	5	Inst. Noz.			VT-02-705	Reject – eval by CRDR 2312850 All
			1 wo	,	J	HISt. NOZ		:	VT-02-703 VT-04-431	(EA-03-009)
			Three	6	6	ICI			VT-05-641	All ICI's, includes ISI & Aug BMI.
		*							VT-05-1158	NRC Bulletin 2003-02
								ŀ	07-VT-1171	
B 4.20	5	Pressurizer	One	12	12	Heater -			01-1627	CEIB 89-06
			Two	12	12	Heater			VT-02-699	CEIB 89-06
									VT-04-433	·
			Three	12	12	HEATERS			VT-05-645	All and Aug, CE-IB 89-06
									07-VT-1204	
B 5.40	20	PZR Surge	One	1	1	5-34	01-1288 01-1290	01-1232	•	
	31	PZR Safeties	One	1	1	5-29	01-1238	01-1010		
1							01-1239			
							01-1240			
							01-1278			
	20	PZR Surge	Two	0	0	5-34		·	VT-04-386	Aug. VT
		PZR Spray	Two	1	1	5-33	RT-02-003	РТ-02-147	VT-04-387	Aug. VT
	31	PZR Safeties	Two	1	1	5-31	UT-02-257	PT-02-155	VT-04-390	Aug. VT
				_		5-29	<u> </u>		VT-04-388	Aug. VT
		<u> </u>	_			5-30		<u> </u>	VT-04-389	Aug. VT
						5-32			VT-04-391	Aug. VT
	20	PZR Surge	Three	0	0	5-34	UT-05-159		VT-05-646	Aug Vol & VT (bare metal - MRP
			7100	Ů	ľ	, , ,	1	ļ		139)
						5-34-OL	07-UT-1004	07-PT-1001		PSE post overlay. (MRP 139)
	29	PZR Spray	Three	0	0	5-33	UT-05-168	0, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	VT-05-656	Aug Vol & VT (bare metal) Limited
1				Ĭ	ľ		0.00.00	1		UT exam (MRP 139)
						5-33-OL	07-UT-1006	07-PT-1003		PSE post overlay. (MRP 139)
	31	PZR Safeties	Three	0	0	5-29	RT-05-011	0,11,100	VT-05-657	Aug UT & Aug VT (bare metal) (MRP
					1		UT-05-169			139)
						5-29-OL	07-UT-1007	07-PT-1004		PSE post overlay. (MRP 139)
						5-30	RT-05-012		VT-05-658	Aug Vol & Aug VT (bare metal -
					i		UT-05-170		07-VT-1140	
						5-30-OL	07-UT-1008	07-PT-1005		PSE post overlay. (MRP 139)
					 					
			1		1	5-31	RT-05-013		VT-05-659	Aug Vol & Aug VI (bare metal -
			1			5-31	RT-05-013 UT-05-171		VT-05-659 07-VT-1141	Aug Vol & Aug VT (bare metal - MRP 139)
						5-31 5-31-OL	RT-05-013 UT-05-171 07-UT-1009	07-PT-1006		MRP 139)
							UT-05-171	07-PT-1006		
						5-31-OL	UT-05-171 07-UT-1009	07-PT-1006	07-VT-1141 VT-05-660	MRP 139) PSE post overlay. (MRP 139)
						5-31-OL	UT-05-171 07-UT-1009 RT-05-014	07-PT-1006 07-PT-1007	07-VT-1141 VT-05-660	MRP 139) PSE post overlay. (MRP 139) Aug Vol & Aug VT (bare metal -
B 6.10	2	Closure Head	One	18	18	5-31-OL 5-32	UT-05-171 07-UT-1009 RT-05-014 UT-05-532		07-VT-1141 VT-05-660	MRP 139) PSE post overlay. (MRP 139) Aug Vol & Aug VT (bare metal - MRP 139)
B 6.10	2	Closure Head	One Two	18	18 18	5-31-OL 5-32 5-32-OL	UT-05-171 07-UT-1009 RT-05-014 UT-05-532	07-PT-1007	VT-05-660 07-VT-1142	MRP 139) PSE post overlay. (MRP 139) Aug Vol & Aug VT (bare metal - MRP 139)
B 6.10	2	Closure Head Closure Head				5-31-OL 5-32 5-32-OL 1 thru 18	UT-05-171 07-UT-1009 RT-05-014 UT-05-532	07-PT-1007 99-1510	VT-05-660 07-VT-1142 99-1589	MRP 139) PSE post overlay. (MRP 139) Aug Vol & Aug VT (bare metal - MRP 139)
			Two	18	18	5-31-OL 5-32 5-32-OL 1 thru 18 19 thru 36	UT-05-171 07-UT-1009 RT-05-014 UT-05-532 07-UT-1010	07-PT-1007 99-1510 MT-02-167	VT-05-660 07-VT-1142 99-1589	MRP 139) PSE post overlay. (MRP 139) Aug Vol & Aug VT (bare metal - MRP 139)
B 6.30			Two One	18 18	18 18	5-31-OL 5-32 5-32-OL 1 thru 18 19 thru 36 1 thru 18	UT-05-171 07-UT-1009 RT-05-014 UT-05-532 07-UT-1010 99-1511	07-PT-1007 99-1510 MT-02-167 99-1509	VT-05-660 07-VT-1142 99-1589	MRP 139) PSE post overlay. (MRP 139) Aug Vol & Aug VT (bare metal - MRP 139)
			Two One	18 18	18 18	5-31-OL 5-32 5-32-OL 1 thru 18 19 thru 36 1 thru 18 19 thru 36	UT-05-171 07-UT-1009 RT-05-014 UT-05-532 07-UT-1010 99-1511 UT-02-211	07-PT-1007 99-1510 MT-02-167 99-1509 MT-02-166	VT-05-660 07-VT-1142 99-1589	MRP 139) PSE post overlay. (MRP 139) Aug Vol & Aug VT (bare metal - MRP 139) PSE post overlay. (MRP 139)
B 6.30	2	Closure Head	Two One Two	18 18 18	18 18 18	5-31-OL 5-32 5-32-OL 1 thru 18 19 thru 36 1 thru 18 19 thru 36 45	UT-05-171 07-UT-1009 RT-05-014 UT-05-532 07-UT-1010 99-1511 UT-02-211	07-PT-1007 99-1510 MT-02-167 99-1509 MT-02-166	99-1589 VT-02-592	MRP 139) PSE post overlay. (MRP 139) Aug Vol & Aug VT (bare metal - MRP 139) PSE post overlay. (MRP 139)
B 6.30	2	Closure Head	Two One Two One	18 18 18	18 18 18	5-31-OL 5-32 5-32-OL 1 thru 18 19 thru 36 1 thru 18 19 thru 36 45 1 thru 18	UT-05-171 07-UT-1009 RT-05-014 UT-05-532 07-UT-1010 99-1511 UT-02-211	07-PT-1007 99-1510 MT-02-167 99-1509 MT-02-166	99-1613	MRP 139) PSE post overlay. (MRP 139) Aug Vol & Aug VT (bare metal - MRP 139) PSE post overlay. (MRP 139)
B 6.30	2	Closure Head Closure Head	Two One Two One Two	18 18 18 18	18 18 18 18	5-31-OL 5-32 5-32-OL 1 thru 18 19 thru 36 1 thru 18 19 thru 36 45 1 thru 18 19 thru 36	UT-05-171 07-UT-1009 RT-05-014 UT-05-532 07-UT-1010 99-1511 UT-02-211 92-725	07-PT-1007 99-1510 MT-02-167 99-1509 MT-02-166	99-1613 VT-02-593	MRP 139) PSE post overlay. (MRP 139) Aug Vol & Aug VT (bare metal - MRP 139) PSE post overlay. (MRP 139)
B 6.30	2	Closure Head Closure Head	Two One Two One Two	18 18 18 18	18 18 18 18	5-31-OL 5-32 5-32-OL 1 thru 18 19 thru 36 1 thru 18 19 thru 36 45 1 thru 18 19 thru 36	UT-05-171 07-UT-1009 RT-05-014 UT-05-532 07-UT-1010 99-1511 UT-02-211 92-725	07-PT-1007 99-1510 MT-02-167 99-1509 MT-02-166	99-1589 VT-02-592 99-1613 VT-02-593 99-1601	MRP 139) PSE post overlay. (MRP 139) Aug Vol & Aug VT (bare metal - MRP 139) PSE post overlay. (MRP 139)
B 6.30	2	Closure Head Closure Head	Two One Two One Two One One	18 18 18 18 18 5	18 18 18 18 18 5	5-31-OL 5-32 5-32-OL 1 thru 18 19 thru 36 1 thru 18 19 thru 36 45 1 thru 18 19 thru 36 1 thru 18	UT-05-171 07-UT-1009 RT-05-014 UT-05-532 07-UT-1010 99-1511 UT-02-211 92-725 99-1705	07-PT-1007 99-1510 MT-02-167 99-1509 MT-02-166	99-1589 VT-02-592 99-1613 VT-02-593 99-1601 01-1654	MRP 139) PSE post overlay. (MRP 139) Aug Vol & Aug VT (bare metal - MRP 139) PSE post overlay. (MRP 139) PSE in Warehouse
B 6.30	2	Closure Head Closure Head	Two One Two One Two One One	18 18 18 18 18 5	18 18 18 18 18 5	5-31-OL 5-32 5-32-OL 1 thru 18 19 thru 36 1 thru 18 19 thru 36 45 1 thru 18 19 thru 36 1 thru 18	UT-05-171 07-UT-1009 RT-05-014 UT-05-532 07-UT-1010 99-1511 UT-02-211 92-725 99-1705	07-PT-1007 99-1510 MT-02-167 99-1509 MT-02-166	99-1613 VT-02-593 99-1654 VT-02-626	MRP 139) PSE post overlay. (MRP 139) Aug Vol & Aug VT (bare metal - MRP 139) PSE post overlay. (MRP 139) PSE in Warehouse IEIN 80-27 All
B 6.30	2 2 16	Closure Head Closure Head RCP 1A	Two One Two One Two One Two One	18 18 18 18 18 5	18 18 18 18 18 5	5-31-OL 5-32 5-32-OL 1 thru 18 19 thru 36 1 thru 18 19 thru 36 45 1 thru 18 19 thru 36 1 thru 18	UT-05-171 07-UT-1009 RT-05-014 UT-05-532 07-UT-1010 99-1511 UT-02-211 92-725 99-1705 UT-04-116	07-PT-1007 99-1510 MT-02-167 99-1509 MT-02-166	99-1613 VT-02-593 99-1654 VT-02-626 VT-02-626 VT-04-430	MRP 139) PSE post overlay. (MRP 139) Aug Vol & Aug VT (bare metal - MRP 139) PSE post overlay. (MRP 139) PSE in Warehouse IEIN 80-27 All
B 6.30	2 2 16	Closure Head Closure Head	Two One Two One Two One Two One	18 18 18 18 18 5	18 18 18 18 18 5	5-31-OL 5-32 5-32-OL 1 thru 18 19 thru 36 1 thru 18 19 thru 36 45 1 thru 18 19 thru 36 1 thru 18	UT-05-171 07-UT-1009 RT-05-014 UT-05-532 07-UT-1010 99-1511 UT-02-211 92-725 99-1705 UT-04-116	07-PT-1007 99-1510 MT-02-167 99-1509 MT-02-166	99-1613 VT-02-593 99-1654 VT-02-626 VT-02-626 VT-04-430 VT-05-1111	MRP 139) PSE post overlay. (MRP 139) Aug Vol & Aug VT (bare metal - MRP 139) PSE post overlay. (MRP 139) PSE in Warehouse IEIN 80-27 All
B 6.30	2 2 16	Closure Head Closure Head RCP 1A	Two One Two One Two One Two Three	18 18 18 18 18 5 5	18 18 18 18 18 5 5	5-31-OL 5-32 5-32-OL 1 thru 18 19 thru 36 1 thru 18 19 thru 36 45 1 thru 18 19 thru 36 1 thru 18 19 thru 36 1 thru 19	UT-05-171 07-UT-1009 RT-05-014 UT-05-532 07-UT-1010 99-1511 UT-02-211 92-725 99-1705 UT-04-116 UT-05-124	07-PT-1007 99-1510 MT-02-167 99-1509 MT-02-166	99-1613 VT-02-593 99-1601 01-1654 VT-02-626 VT-04-430 VT-05-1111 07-VT-1120	MRP 139) PSE post overlay. (MRP 139) Aug Vol & Aug VT (bare metal - MRP 139) PSE post overlay. (MRP 139) PSE in Warehouse IEIN 80-27 All
B 6.30	2 2 16	Closure Head Closure Head RCP 1A	Two One Two One Two One Two Three	18 18 18 18 18 5 5	18 18 18 18 18 5 5	5-31-OL 5-32 5-32-OL 1 thru 18 19 thru 36 1 thru 18 19 thru 36 45 1 thru 18 19 thru 36 1 thru 18 19 thru 36 1 thru 19	UT-05-171 07-UT-1009 RT-05-014 UT-05-532 07-UT-1010 99-1511 UT-02-211 92-725 99-1705 UT-04-116 UT-05-124	07-PT-1007 99-1510 MT-02-167 99-1509 MT-02-166	99-1613 VT-02-593 99-1601 01-1654 VT-02-626 VT-04-430 VT-05-1111 07-VT-1120 99-1603	MRP 139) PSE post overlay. (MRP 139) Aug Vol & Aug VT (bare metal - MRP 139) PSE post overlay. (MRP 139) PSE in Warehouse
B 6.30	2 2 16	Closure Head Closure Head RCP 1A	Two One Two One Two One Two One Two One	18 18 18 18 18 5 5	18 18 18 18 18 5 5	5-31-OL 5-32 5-32-OL 1 thru 18 19 thru 36 1 thru 18 19 thru 36 45 1 thru 18 19 thru 36 1 thru 10 Flange Studs	UT-05-171 07-UT-1009 RT-05-014 UT-05-532 07-UT-1010 99-1511 UT-02-211 92-725 99-1705 UT-04-116 UT-05-124 99-1706	07-PT-1007 99-1510 MT-02-167 99-1509 MT-02-166	99-1613 VT-02-593 99-1654 VT-02-626 VT-02-626 VT-04-430 VT-05-1111 07-VT-1120 99-1603 01-1654	MRP 139) PSE post overlay. (MRP 139) Aug Vol & Aug VT (bare metal - MRP 139) PSE post overlay. (MRP 139) PSE in Warehouse IEIN 80-27 All ISI and Aug (IEIN 80-27& IEB 82-02)
B 6.30	2 2 16	Closure Head Closure Head RCP 1A	Two One Two One Two One Two One Two One	18 18 18 18 18 5 5	18 18 18 18 18 5 5	5-31-OL 5-32 5-32-OL 1 thru 18 19 thru 36 1 thru 18 19 thru 36 45 1 thru 18 19 thru 36 1 thru 10 Flange Studs	UT-05-171 07-UT-1009 RT-05-014 UT-05-532 07-UT-1010 99-1511 UT-02-211 92-725 99-1705 UT-04-116 UT-05-124 99-1706	07-PT-1007 99-1510 MT-02-167 99-1509 MT-02-166	99-1613 VT-02-592 99-1613 VT-02-593 99-1601 01-1654 VT-02-626 VT-04-430 VT-05-1111 07-VT-1120 99-1603 01-1654 VT-02-630 VT-04-429	MRP 139) PSE post overlay. (MRP 139) Aug Vol & Aug VT (bare metal - MRP 139) PSE post overlay. (MRP 139) PSE in Warehouse IEIN 80-27 All ISI and Aug (IEIN 80-27& IEB 82-02)

ASME Item no	Zone	Comp/Sys	Insp Per	Amt Reg	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
	18	RCP 2A	One	5	5	1 thru 5	99-1487 99-1464		99-1500 01-1654	PSE
<u> </u>			Two	5	5	6 thru 10	UT-04-118		VT-02-634	·
			4			·	·		VT-04-427	IEIN 80-27 All
			Three	6	6 .	11 thru 16	UT-05-126			ISI and Aug (IEIN 80-27& IEB 82-02)
	19	RCP 2B	One	5	5	1 thru 5	99-1707		07-VT-1122 99-1602	
	19	RCF 2B	One	3)	i tiiru 3	99-1707		01-1654	
	<u> </u>		Two	5	5	6 thru 10	UT-04-119	1	VT-02-638	
									VT-04-428	IEIN 80-27 All
			Three	6	6	11 thru 16	UT-05-127	07-MT-1004	VT-05-1117 07-VT-1123	ISI and Aug (IEIN 80-27& IEB 82-02)
B 6.190	18	RCP 2A	One	16	16	Flange			99-1488	Flange surface around each stud
B 6.190	19	RCP 2B	Three	16	16	Flange			07-VT-1124	Accessible flange surface around each stud
B 6.200	16	RCP 1A	One	5	5	1 thru 5			99-1601	cach stud
			Two	5	5	6 thru 10	Î	1	VT-02-625	
B 6.200	16	RCP 1A	Three	6	6	11 thru 16			07-VT-1120	
	17	RCP 1B	One	5	5	1 thru 5			99-1603	
			Two	5	5	6 thru 10			VT-02-629	
B 6.200		RCP 1B	Three	6	6	11 thru 16			07-VT-1121	
	18	RCP 2A	One	5	5	1 thru 5	ŀ		99-1197	Rejected 6 nuts,
	}		Т	_	-	6 thru 10			99-1500 VT-02-633	PSE 6 nuts/clamp ring
B 6.200	18	RCP 2A	Two	5 6	5 6	11 thru 16	<u></u>	 	07-VT-1122	
B 0.200	19	RCP 2A RCP 2B	Three One	5	5	11 thru 16			99-1602	
	19	RCF 2B	Two	5	5	6 thru 10			VT-02-637	
B 6.200	19	RCP 2B	Three	6	6	11 thru 16			07-VT-1123	
B 7.20	5	Pressurizer	One	20	20	20 studs/nuts			99-1498	IEB 82-02
7.20		1 TOSSATIZOT	o.i.e	-20	20	20 Stads/IIda			01-1272	Removed
			Two	20	20	20 studs/nuts		MT-02-172	VT-02-596 VT-04-394	IEB 82-02
			Three	20	20	20 studs/nuts		07-MT-1003		PSE IEB 82-02
B 7.30	3	SG1	One	40	40	40 studs/nuts			99-1492 01-1271	IEB 82-02 Removed
	1		Two	40	40	40 studs/nuts		MT-02-173	VT-02-594	IEB 82-02
	<u> </u>								VT-04-405	
			Three	40	40	40 studs/nuts		07-MT-1002	VT-05-1107 07-VT-1114	PSE, IEB 82-02
	4	SG2	One	40	40	40 studs/nuts			99-1493	IEB 82-02
								·	01-1294	Removed
			Two	40	40	40 studs/nuts		MT-02-174	VT-02-595 VT-04-406	IEB 82-02
			Three	40	40	40 studs/nuts	1		VT-05-1108	IEB 82-02
								07-MT-1002	07-VT-1115	
B 7.50	31	PZR Safeties	One	1	1	PSV200			99-1499	IEB 82-02
	<u> </u>		-	1	<u> </u>	DCV201		1	01-1431	Removed
						PSV201			99-1499 01-1431	IEB 82-02 Removed
	1					PSV202			99-1499	IEB 82-02
									01-1431	Removed
						PSV203			99-1499	IEB 82-02
<u> </u>	<u> </u>			 	 	' por roce	<u> </u>	MT 00 100	01-1431	Removed
]		Two	1	1	PSV200		MT-02-168	VT-02-597 VT-04-395	IEB 82-02 Removed
	T	1				PSV201		MT-02-169	VT-02-598	IEB 82-02
<u></u>	1	<u> </u>				L		<u> </u>	VT-04-396	Removed

ASME Item no	Zone	Comp/Sys	Insp Per	Amt Req	Amt Comp	Itëm ID	Vol	Reports Surf	Visual	Remarks
						PSV202		MT-02-170	VT-02-599 VT-04-397	IEB 82-02 Removed
			1			PSV203		MT-02-171	VT-02-600	IEB 82-02
									VT04-398	Removed
			Three	2	2	PSV200			VT-05-1118	8 studs and 16 nuts (IEB 82-02)
		•				PSV201			VT-05-1162	8 studs and 16 nuts (IEB 82-02)
						PSV202			VT-05-1119	8 studs and 16 nuts (IEB 82-02)
						PSV203				8 studs and 16 nuts (IEB 82-02)
		Charging	One	1	-1	V435			99-1263	
B 7.60	16	RCP 1A	One	5	5	1 thru 5			99-1490	
			 			1 thru 16			01-1476	Disassembled
			Two	5	5	6 thru 10			VT-02-627	
	17	RCP 1B	0	-	-	1 41 5			VT-02-628	
	17	RCP IB	One Two	5	5	1 thru 5 6 thru 10			99-1491 VT-02-631	
			I Iwo	3		o inru 10			VT-02-631 VT-02-632	
	18	RCP 2A	One	5	5	1 thru 5			99-1489	
	10	RCI ZA	One		-	1 thru 16		+	01-1475	Disassembled / 2 rejects
						2		1	01-1501	PSE
			Two	5	5	6 thru 10			VT-02-635	
	1		'"			0 10			VT-02-636	
	19	RCP 2B	One	5	5	1 thru 5			99-1602	
	1		Two	5	5	6 thru 10			VT-02-639	
									VT-02-641	
B 7.70	21	SD Cooling 1	One	ı	1	UV653			99-1224	
			Three	1	1	UV651		, i	07-VT-1130	
	22	SD Cooling 2	One	1	1	UV654			01-1533	
			Two	1	1	UV652			VT-02-514	
	23	SI 1A	One	-1	1	V237			01-1004	
			Two	2	2	V235			VT-02-516	
						UV634			VT-02-517	
	24	SI 1B	One	1	1	V543			99-1228	
	<u> </u>		Two	2	2	V245			VT-02-478	
			+			UV644			VT-02-506	
	25	SI 2A	One	1	1	V540			99-1219	
	26	CI OD	Two	1	1	V217			VT-02-515	·
	26	SI 2B	One Two	2	2	V225 V541			99-1614 VT-02-553	PSE
			1 1 WO			UV624			VT-02-518	rsc
	27	PZR Spray 1A	Two	1	1	PV100E			VT-02-518	
-		PZR Spray 1B	One	2	2	V241			99-1283	Reject
	-	Lace Spin, 15	""	_		, _ , .			99-1665	Re-exam
									01-1024	Re-exam
			1			V242			99-1283	
			Two	1	1	V100F			VT-02-615	
	30	Aux PZR Spray	Three	2	2	HV203				PSE, Installed
						HV205			VT-05-1137	PSE, Installed
	31	PZR Safeties	One	1	1	PSV200			99-1713	
			Two	1	l	PSV202			VT-02-601	
			Three	2	2	PSV200			07-VT-1199	Aug
						PSV201			07-VT-1199	
	<u> </u>					PSV202			07-VT-1199	Aug
	<u> </u>		 			PSV203			07-VT-1199	
	32	Drain Line 1A	One	2	2	V234		+	99-1588	
		Design 11 and 12	+		 _	V334			99-1587	
	33	Drain Line 1B	Two	2	2	V235			VT-04-313	
	24	Design Views 2.4	Т			V335			VT-04-314	,
	34	Drain Line 2A	Two	2	2	V233		 	VT-02-539	<u> </u>
	27	Charging	0	1	 	V333		+	VT-02-540	
	37	Charging Drain Line	One	1	1	PDV240			99-1263	
	ا عد	HPSI Long Term	One One	1	1	V215 V523			01-1042 01-1040	

ASME Item no	Zone	Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf		Remarks
	<u> </u>		Two	2	2	V522			VT-02-421	
						V957	ļ		VT-02-578	
	40	HPSI Long Term	Two	1	1	V532			VT-02-579	
B 7.80	2	RVLMS	One	1 '	1	2-21			01-1600	CEDM 92 & 96
В 8.20	5	Pressurizer	One	66%	66%	5-1	99-1445 99-1446 99-1447	01-1006		Examined 0°-240°
D 0 20	 	00.1	+	220/	220/	2.1	99-1486	01 1000		. 100 1000
B 8.30	3	SG 1	One	33%	33%	3-1	01-1304 01-1330 01-1331 01-1332	01-1292		Examined 0°-120°
			Three	34%	34%	3-104		MT-05-100		PSE ID & OD, MT Coverage 99.8%,
,	4	SG2	Two	33%	33%	4-1	UT-02-130 UT-02-136 UT-02-137 UT-02-141	MT-02-165		Examined 120°-240°, MT on OD only.
B 9.11	6	RCS Piping	One	7	7	1-31	*	01-1599		*Separate report by
& 9.12						1-34	*	01-1599		Wesdyne. Exams
						6-7	*	01-1599		completed in U1R8
						3-30	01-1356 01-1359	01-1299		
						4-30	01-1357 01-1360	01-1291		
						7-7	*	01-1599		
						17-2	01-1361 01-1362	01-1291		
		· · · · · · · · · · · · · · · · · · ·	Two	0	0	16-1	01.1302	MT-02-179		
			1,110		Ť	17-1	 	MT-02-181		
						18-1	<u> </u>	MT-02-178		
						19-1		MT-02-180		
			Three	8	0	6-1	UT-05-143	PT-05-056		PSE, P3 = RR32
			1	Ů		3-103	UT-05-144	MT-05-110		PSE IS INC.
						4-103	UT-05-145	MT-05-111		PSE
			 			7-1	UT-05-146	PT-05-057		PSE
						8-13	UT-05-147	MT-05-113		PSE
						8-16	UT-05-148	PT-05-058		PSE
						8-19	UT-05-149	PT-05-059		PSE
						10-13	UT-05-150	MT-05-116		PSE
						10-16	UT-05-151	PT-05-060		PSE
		. "				10-19	UT-05-152	PT-05-061		PSE
						12-13	UT-05-153	MT-05-119		PSE
						12-16	UT-05-154	PT-05-062		PSE
						12-19	UT-05-155	PT-05-063		PSE
						14-13	UT-05-156	MT-05-122		PSE
						14-16	UT-05-157	PT-05-064		PSE
						14-19	UT-05-146	PT-05-065		PSE
	20	PZR Surge	One	1	1	20-1	01-1289	01-1232		
			Three	0	0	6-4	UT-05-160		VT-05-647 07-VT-1127	
						6-4-OL	07-UT- 1005	07-PT-1002		TT, PWSCC - PSE post overlay. (MRP 139)
						20-1-OL	07-UT- 1004	07-PT-1001		TT - PSE, post overlay. (MRP 139
						20-11-OL	07-UT-1005	07-PT-1002		TT - PSE, post overlay. (MRP 139
	21	SD Cooling 1	One	3	3	6-11	01-1380 01-1383	01-1275		
						21-18	01-1381	01-1275		
						21-20	01-1382	01-1275		
			Two	2	2	21-14	UT-02-190	PT-02-119		
						21-15	UT-02-191	PT-02-120		

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ASME Item no	Zone	Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
						21-1		PT-04-063		Aug.
						21-3		PT-04-050		Aug.
						21-4	UT-04-127	PT-04-053		Aug.
						21-5	UT-04-128	PT-04-054		Aug.
						21-6		PT-04-048		Aug.
						6-11		PT-04-059		Aug.
						21-7	UT-04-129	PT-04-057		Aug.
						21-8	UT-04-130	PT-04-058		Aug.
		·				21-9	UT-04-131	PT-04-049		Aug.
						21-10	UT-04-132	PT-04-051		Aug.
						21-11	01 01 132	PT-04-055	·	Aug.
						21-11A		PT-04-060		Aug.
			+		 	21-12	UT-04-126	PT-04-052		Aug. Limited UT exam
			+ -		\vdash		01-04-120			
			-			21-12A		PT-04-042		Aug.
						21-13	ļ	PT-04-043		Aug.
						21-13A	ļ	PT-04-066		Aug.
		<u> </u>	_		L	21-14	UT-04-120	PT-04-056		Aug.
						21-15	UT-04-122	PT-04-064		Aug.
						21-16	UT-04-121	PT-04-062		Aug.
						21-17	UT-04-123	PT-04-067		Aug.
						21-18	UT-04-124	PT-04-045		Aug.
						21-19	UT-04-125	PT-04-046		Aug.
			 			21-20		PT-04-047		Aug.
			Three	1	1	6-11	UT-05-161	PT-05-111	VT-05-648	Aug Surf, Vol & VT (bare metal -
			111100	•	*.			:	07-VT-1128	MRP-139)
						21-14	UT-05-223	PT-05-112		P3 = RR32
	1					21-15	UT-05-224	PT-05-113		Aug exams
							UT-06-045	PT-06-013		
						21-16	UT-05-225	PT-05-114		Aug exams
							UT-06-046	PT-06-014		
						21-17	UT-05-226	PT-05-115		Aug exams
							UT-06-047	PT-06-015		
						21-20	UT-05-222	PT-05-110		Aug exams
	1						UT-06-048	PT-06-016		
		,				21-21	UT-06-050	PT-06-017		PSE
						21-22	UT-06-051	PT-06-018		PSE
						21-23	UT-06-052	PT-06-019		PSE
						21-24	UT-06-053	PT-06-020		PSE
						21-25	UT-06-054	PT-06-021		PSE
			1		-	21-26	UT-06-055	PT-06-022		PSE
	22	SD Cooling 2	One	1		22-11	99-1600	99-1590		I GE
	- 22	3D Cooling 2	One		- '	22-11	99-1599	99-1590		
	 			 			4			Needs PDI to over
						22-23	01-1510	01-1327		Needs PDI re-exam
	ļ		+	<u> </u>	\vdash	22.1	01-1511	DT 00 100		
	 		Two	0	0	22-1		PT-02-103		
						7-9		PT-02-105		
						22-18	ļ	PT-02-112		
			Three	2	0	7-9	UT-05-162		VT-05-649 07-VT-1131	Aug Vol & VT (bare metal - MRP 139), P3 = RR32
	23	SI 1A	One	3	3	9-10	01-1541 01-1542	01-1007		
				 	 	23-1	01-1543	01-1007		<u> </u>
	 		 	 		23-2	01-1544	01-1007	····	
						23-4	01-1545	01-1007		Needs PDI re-exam
	<u> </u>		Two	1	l	23-6	01-1546 UT-02-287	PT-02-172		Aug. Limited UT exam
			-			23-4	UT-02-289 UT-04-001			PDI re-exam, Limited UT exam
	—		71	_			01-04-001	 	VT 05 650	
			Three	0	0	9-10			VT-05-650 07-VT-1132	Aug VT (bare metal - MRP-139), P3 = RR32
	24	SI 1B	Two	3	3	24-6	UT-02-179 UT-02-182	PT-02-116		Aug. Limited UT exam

ASME Item no	Zone	Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
						24-14	UT-02-185 UT-02-189	PT-02-098		Limited UT exam
						24-16	UT-02-177 UT-02-188	PT-02-101	 	Limited UT exam
						24-19	UT-02-176 UT-02-178	PT-02-099		Limited UT exam
			Three	1	0	11-10	UT-05-163		VT-05-651 07-VT-1133	Limited UT, Aug VT (bare metal - MRP-139), P3 = RR32
	25	SI 2A	One	2	2	25-26	99-1512	99-1503		
						25-27	99-1617	99-1606		
						25-29	99-1618			
			Two	4	4	25-1	UT-02-227	PT-02-145		
						25-4	UT-02-224 UT-02-226	PT-02-146		Limited UT exam
						25-6	UT-02-221 UT-02-222	PT-02-173		Limited UT exam
						13-10	UT-02-228	PT-02-174		
			Three	0	0	13-10			VT-05-652 07-VT-1134	Aug VT (bare metal - MRP-139), P3 = RR32
	26	SI 2B	One	2	2	26-9	99-1615	99-1586		· · · · · · · · · · · · · · · · · · ·
						26-11	99-1616	99-1586		
	<u> </u>		Two	1	1	26-6	UT-02-181 UT-02-184	PT-02-114		Limited Aug. UT exam
						26-17	UT-02-180 UT-02-183	PT-02-113		Limited UT exam
			Three	0	0	15-9	UT-05-164		VT-05-653 07-VT-1135	Limited UT exam, Aug VT (bare metal - MRP-139), P3 = RR32
	29	PZR Spray	One	2	2	29-10	99-1467	99-1436		
						29-11	99-1468	99-1436		
		:	Two	1	1	29-1	UT-02-233 UT-02-234 UT-04-002	PT-02-149		PSE, Need PDI re-exam . Re-exam
						29-2	UT-02-235 UT-02-236 UT-04-003	PT-02-150		PSE, Limited UT exam, Need PDI re-exam Re-exam, Limited UT exam
						29-9	UT-02-237 UT-02-239 UT-04-004	PT-02-148		PSE, Need PDI re-exam
			Three	2	2	29-1-OL	07-UT-1006	07-PT-1003		TT - PSE, post overlay. (MRP 139)
			 			29-2	UT-05-165			Limited UT exam
		<u> </u>				29-4	UT-05-166			P3 = RR32
	1					29-5	UT-05-167		<u> </u>	
	31	PZR Safeties	One	1	1	31-1	01-1220	01-1010		
	36		Two	2	2	31-9	UT-02-249	PT-02-156		
						31-10	UT-02-256	PT-02-157		
		Letdown Line	Two	11	1	36-75	UT-02-223	PT-02-144		
B 9.21	27	PZR Spray 1A	One	4_	4	9-11	 	01-1044	<u> </u>	
& 9.22					 	27-42	 	01-1044	<u></u>	
		 				27-43 27-44		01-1044 01-1044		
		_	Three	0	0	9-11				Aug VT (bare metal - MRP 139), P3 = RR32
		PZR Spray 1 A	One	4	4	28-31		99-1459		
						28-32		99-1459		
						28-39		99-1437		
						28-40		99-1437		
			Two	4	4	28-9		PT-02-167		
						28-11		PT-02-168		
					ļ	11-11		PT-02-115		
]	L		L		28-20	1	PT-02-169	<u> </u>	

ASME Item no	Zone	Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
			Three	0	0	11-11				Aug VT (bare metal - MRP 139), P3 = RR32
	30	Aux PZR Spray	One	2(2)	2(2)	30-7		99-1233		()Identifies augment
						30-13		99-1233	·	
		,				30-1	01-1621 01-1623	01-1640		88-08
						30-2	01-1622 01-1624	01-1640		88-08
			Two	2	2(2)	30-5		PT-02-153		
	-				```	30-6	†	PT-02-154		
					·	30-1	UT-02-229 UT-02-230	PT-02-151		PSE, IEB 88-08, Limited UT exam
						30-2	UT-02-231 UT-02-232	PT-02-152		PSE, IEB 88-08, Limited UT exam
			Three	0	0	30-4		PT-05-083		PSE, P3 = RR32
			Timoc	<u> </u>	Ů	30-5	<u> </u>	PT-05-084		PSE
						30-6		PT-05-085		PSE
			<u> </u>			30-7		PT-05-100		PSE
			+			30-9	† · · ·	PT-05-087		PSE
		·				30-10	<u> </u>	PT-05-088		PSE
						30-11		PT-05-089		PSE
			1			30-12	1	PT-05-090		PSE
			—			30-13	 	PT-05-091		PSE
	32	Drain 1A	One	3	3	8-18		99-1504		
		 				32-1		99-1504		
						32-2		99-1504		
			Three	0	0	8-18			VT-05-669 07-VT-1143	Aug VT (bare metal - MRP 139), P3 = RR32
	33	Drain Line 1B	Two	3	3	33-1		PT-02-106		
						33-5		PT-02-107		
						10-18		PT-02-104		
			Three	0	0	10-18			VT-05-661 07-VT-1144	Aug VT (bare metal - MRP 139), P3 = RR32
	34	Drain Line 2A	Three	0	0	12-18				Aug VT (bare metal - MRP 139),
	36	Letdown Line	One	2	2	36-8		01-1186		
						36-9	 	01-1186		
			Two	8	8	36-25		PT-02-138		
						36-26		PT-02-139		
						36-28		PT-02-141		
						36-35		PT-02-142		
						36-43		PT-02-085		
						36-44		PT-02-086		
						36-45		PT-02-087		
				<u></u>		36-80	<u> </u>	PT-02-088		
			Three	4	0	14-18			VT-05-663 07-VT-1146	Aug VT (bare metal - MRP 139), P3 = RR32
	37	Charging	One	5	5	37-41		99-1301		
					$oxed{oxed}$	37-42		99-1301		
•						37-43		99-1301		
					\sqcup	37-45		01-1045		
					\sqcup	37-46		01-1045		
						37-47	 	01-1045		
			Two	7	7	13-11		PT-02-128		
						37-28		PT-02-122		
					 	37-29	ļ	PT-02-123		,
		,				37-30	+	PT-02-124		
	-				\vdash	37-32		PT-02-125		
·					 	37-33		PT-02-126		
			There	2		37-34	 	PT-02-127	VT 05 1142	Ave VT (home mostel AGD 120)
		<u> </u>	Three		0	13-11			07-VT-1147	Aug VT (bare metal - MRP 139), P3 = RR32

ASME Item no	Zone	Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
		Drain Line 1	Two	1	1	38-1		PT-02-170		
	39	HPSI A	One	2	2	39-1	.	99-1234		
						39-5	ļ	99-1234		
			Two	3	3	39-12	UT-02-290	PT-02-131		
					ļI	39-13	UT-02-292	PT-02-175		
						39-24	UT-02-302 UT-02-303	PT-02-162		Limited UT exam
			Three	0	0	39-26	UT-05-219	PT-05-103		Aug exams, P3 = RR32
						39-27	UT-05-220	PT-05-104		Aug exams
						39-30	UT-05-214	PT-05-105		Aug exams
·						39-31	UT-05-216	PT-05-106		Aug exams
						39-32	UT-05-215	PT-05-107		Aug exams
						39-33	UT-05-217	PT-05-108		Aug exams
						39-33-A	UT-05-221	PT-05-109		Limited UT exam
			<u> </u>		1	39-53		PT-06-023		PSE
			1			39-54	1	PT-06-024		PSE
						39-55		PT-06-025		PSE
			***			39-56		PT-06-026		PSE
						39-57		PT-06-027		PSE
						39-58	1	PT-06-028		PSE
						39-59		PT-06-029		PSE
		·			 	39-60	1	PT-06-030		PSE
			<u> </u>		 	39-61		PT-06-031		PSE
					 	39-62		PT-06-032		PSE
			1		 	39-63		PT-06-033		PSE
			_		\vdash	39-64		PT-06-034		PSE
	<u> </u>				╁	39-65	-	• • • • • • • • • • • • • • • • • • • 		PSE
					1	39-66	<u> </u>	PT-06-035 PT-06-036		PSE
	-				 	39-67				PSE
	l		<u> </u>		-	39-68	UT-06-056	PT-06-037		<u> </u>
							+	PT-06-038		PSE
					\vdash	39-69	UT-06-057	PT-06-039		PSE
			_		\vdash	39-70	UT-06-058	PT-06-040		PSE
					├	39-71	UT-06-059	PT-06-041		PSE
	40	TIDGI D	 		-	39-72	UT-06-060	PT-06-042		PSE
	40	HPSI B	One	3	3	40-1	ļ	01-1043		
						40-2	.	01-1043		
					\vdash	40-3		01-1043		
			Two	2	2	40-6	UT-02-285	PT-02-163		
2001		n aa ni i				40-7	UT-02-288	PT-02-164		
В 9.31	6	RCS Piping	One	1	1	9-8	01-1355 01-1358	01-1291		
			Two	0	0	13-8	UT-02-212	MT-02-176		Limited UT exam
B 9.32	6	RCS Piping	One	1	1	8-17		99-1505		
			Two	1	1	13-9		MT-02-177		
	21	SD Cooling 1	Two	0	0	21-1A		PT-04-065		Aug
						21-13B		PT-04-044		Aug
	22	SD Cooling	One	1	1	22-7A		99-1607		
	36	Letdown	Two	2	2	36-41		PT-02-084		
						36-76		PT-02-143		
B 9.40	32	Drain 1A	One	1	1	32-6		99-1504		
						32-8		99-1504		
	33	Drain Line 1B	Two	1	1	33-6		PT-02-108		
	34	Drain Line 2A	Two	1	1	34-6		PT-02-171		
	38	Drain 1	One	1	1	38-5		01-1041		Removed
						38-12		01-1500		PSE
	36	Letdown	One	1	1	RC-91-H5		99-1591		
						RC-91-H6		99-1591		
			Two	1	1	RC-91-H6		PT-02-089		91% CC N460
B 12.10	19	RCP 2B	Three	2	2	19-3	07-UT-1002			
					 	19-4	07-UT-1003	 		
	18	RCP 2A	One	1	1	Bowl Interior	U. U. 1000	+	99-1497	-

						E INSPEC		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
ASME Item no	Zone	Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
B 12.20	19	RCP 2B	Three	1	1	Bowl Interior			07-VT-1125	Examined to extent practical
B12.50	21	SD Cooling 1	Two	1	1	UV653			VT-04-286	Internal surfaces
	24	SI 1B	Two	i	$\frac{1}{1}$	V543		 	VT-02-523	Internal surfaces
		SI 2A	Two	1	1	V215		·	VT-04-297	Internal surfaces
B 13.10	1	Reactor Vessel	One	33%	33%	Interior			01-1534	accessible areas
D 13.10	- 	Reactor Vesser	Two	33%	33%				VT-04-317	accessible areas
	 					Interior				
D12.50	 	D	Three	34%	34%	Interior		ļ	VT *	* Separate Wesdyne Report
B13.50		Reactor Vessel	Three	100%	100%	Beltline Attachment			VT *	* Separate Wesdyne Report
B13.60	1	Reactor Vessel	Three	100%	100%	AttachmentBeyo nd Beltline		:	VT *	* Separate Wesdyne Report
B13.70	1	Reactor Vessel	Three	100%	100%	Core Support	***************************************	1	VT *	* Separate Wesdyne Report
B 14.10	2	Closure Head	One	2	2	2-9	01-1519	01-1655		CEDM 84
						2-9	01-1519	01-1655	•	CEDM 88
	 		 	2	2	2-10	01-1518	01-1655		CEDM 84
						2-10	01-1518	01-1655		CEDM 88
 	-		T	2	2					
<u> </u>	-		Two		 -	2-9	UT-02-206	PT-02-136		CEDM 83
L			1	بـــِــا	<u> </u>	2-9	UT-02-207	PT-02-137		CEDM 91
<u> </u>			<u> </u>	2	2	2-10	UT-02-203	PT-02-134		CEDM 83
						2-10	UT-02-204	PT-02-135		CEDM 91
B 15.10	2	Closure Head	Two	ALL	ALL	Head			04-235 04-236	Aug BMI, NRC Order EA-03-009
			Three	100%	100%	Head			VT-05-643 07-VT-1111	Aug BMI, NCR Order EA-03-009
B 15.10,	Variou	RCS Piping	One	ALL	ALL	Press Bound			99-1585	RR#11 & 12
20, 30, 40,		ices i iping	One	ALL	ALL	1 1CSS Doulld			99-1647	
50, 60 &	3									SIBPSV169 disassy
70	ļ.								99-1711	•
10									01-1012	
									01-1013	
									01-1557	
								1	01-1627	reject
									01-1628	
					1				01-1012	
									01-1013	
	1]	01-1557	
	1							1	01-1627	
	1								01-1628	
									01-1629	
					1			Ī	01-1630	
								i l	01-1646	
									01-1647	
			Two	ALL	ALL	Press Boundary		<u> </u>	VT-02-698*	*100% RCS ea. Outage
					l			<u> </u>	VT-04-414	1
								[VT-04-432	
]			1]	VT-04-436	
			1				•	ļ <u> </u>	VT-04-438	
									VT-04-447	
									VT-04-466*	
			Three	100%	*	RCS Pressure			VT-05-664	* RCS 100% each outage
			1			Boundary]		N-498-4
	1					,,			07-VT-1104	
								[]	07-VT-1163	
									07-VT-1165	
									07-VT-1166	
] .]	07-VT-1167	
			1						07-VT-1204	
Flywheel	16	RCP 1A	One	1	1	Flywheel	01-1273		07-VT-1207	
			Two	1	_ 1	Flywheel	UT-02-201			
	17	RCP 1B	One	1	1	Flywheel	01-1363			
			Two	1	1	Flywheel	UT-02-202			
	18	RCP 2A	One	1	1	Flywheel	01-1364			
	•	·								L

ASME Item no	Zone	Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol .	Reports Surf	Visual	Remarks
			Two	1	1	Flywheel	UT-02-208			
	19	RCP 2B	One	1	1	Flywheel	01-1434			
i			Two	1	1	Flywheel	UT-02-205			
		Spare Flywheel	Three	0	0	Flywheel	UT-06-061 UT-06-062 UT-06-063 UT-06-064			PSE Spare Flywheels
F 1.10	20	PZR Surge	One	2	2	RC-28-H1			99-1284	
						RC-28-H2			99-1218	
			Two	2	2	RC-28-H842			VT-04-001	RR#4
						RC-28-H844	· · · · · · · · · · · · · · · · · · ·		VT-04-002	RR#4
			Three			RC-028H001				Aug pre-overlay
			<u> </u>			DC 03911003				Aug post-overlay
						RC-028H002				Aug pre-overlay Aug post-overlay
			 			RC-028H003				Aug pre-overlay
	1					110 02011005				Aug post-overlay
						RC-028H004				Aug pre-overlay
									07-VT-1159	Aug post-overlay
	21	SD Cooling 1	One	7	7	SI-240-H10			99-1227	
						SI-240-H11			99-1226	
						SI-240-H13			99-1225	
						RC-51-H1		<u> </u>	01-1182	Support Deleted
						RC-51-H2			01-1181	
	<u> </u>		<u> </u>			RC-51-H3			01-1180	
						RC-51-H821			01-1433	
			Two	7	7	RC-51-H2			VT-02-640	Expansion
						200			VT-04-324	
		,				RC-51-H3			VT-02-429	Expansion
						DO 51 114			VT-04-325	
	-		-			RC-51-H4			VT-02-422	Support Deleted
			}			RC-51-H5			VT-02-423 VT-04-326	
						RC-51-H6		-	VT-04-320 VT-02-703	Support Deleted
			 			RC-51-H822		1	VT-02-703	Support Deleted
		<u> </u>	 		 	SI-240-H1			VT-02-430	Support Deleted
	-		+			SI-240-H2		 	VT-02-425	Support Deleted
	•					51210112			VT-04-323	
			+			SI-240-H3				Reject
									VT-02-605	
									VT-04-315	
						SI-240-H4			VT-02-433	Expansion
	<u> </u>		l		<u> </u>			<u> </u>	VT-04-327	
						SI-240-H5			VT-02-432	Reject
	Ì								VT-02-607	Re-exam
			1						VT-04-316	
						SI-240-H6			VT-02-434	Support Deleted
						SI-240-H7		1	VT-02-435	Expansion
	<u> </u>							 	VT-04-328	
		ļ				SI-240-H8			VT-04-329	
						SI-240-H9			VT-02-659	Expansion
<u> </u>	<u>.</u>				 	CI 040 TI10		-	VT-04-330	
ļ		,			·	SI-240-H10			VT-02-661	Expansion
<u> </u>	 	ļ			 	SI 340 III 1		 	VT-04-331	Evmansion
<u> </u>			1			SI-240-H11			VT-02-662 VT-04-332	Expansion
		ļ.	+			SI-240-H12		 	VT-04-332 VT-02-424	Support Deleted
	 		 		 	SI-240-H12 SI-240-H13			VT-04-333	Support Deleted
	 		 	ļ	 	SI-240-H13 SI-240-H823		 	VT-04-333	
	 		 		 	SI-240-H824		 	VT-02-427	· · · · · · · · · · · · · · · · · · ·
		<u> </u>	Three	2	0	SI-240-H624 SI-240-H3		 	VT-05-667	Re-exam CRDR 2564714, RR #4
	 	<u> </u>	111166		- 	SI-240-H5			VT-05-668	Re-exam CRDR 2564714, RR #4
ļ	<u> </u>		├ ─		 			 		
L	<u> </u>	<u>L. </u>	1	L	<u> </u>	SI-240-H002		1	VT-06-755	PSE

ASME Item no	Zone	Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
			1			SI-240-H014		1	VT-06-713	PSE
						SI-240-H015				PSE
						SI-240-H016	Butter Out . Detail		07-VT-1129	Aug
						SI-240-H017				PSE
	22	SD Cooling B	One	4	4	RC-68-H5			01-1177	
			1			RC-68-H6			01-1176	Support Deleted
			 			SI-193-H17			01-1178	, , , , , , , , , , , , , , , , , , ,
						SI-193-H19			01-1179	Support Deleted
			Two	4	4	RC-68-H3	-		VT-02-663	Expansion
			-	,	,	SI-193-H8			VT-02-496	Reject
j									VT-02-652	Re-exam
						SI-193-H9			VT-02-497	RR #4
						SI-193-H17		 	VT-02-664	Expansion
			+			SI-193-H20			VT-02-508	Lapuision
			+			SI-193-H23	***		VT-02-565	Expansion
			+			SI-193-H25	-	ļ	VT-02-003 VT-02-498	Support Deleted
	22	CIIA	0	.,.				ļ		
	23	SI 1A	One	1	1	SI-207-H5			01-1005	Support Deleted
			Two	2	2	SI-207-H3		ļ	VT-02-666	Expansion
						SI-207-H7		ļ	VT-02-509	
		CY + D	 	<u> </u>		SI-207-H11			VT-02-510	
	24	SI 1B	One	2	2	SI-223-H3			99-1230	
						SI-223-H4			99-1229	Support Deleted
			Two	2	2	SI-223-H1			VT-02-475	
						SI-223-H2			VT-02-477	Support Deleted
	25	SI 2A	One	2	2	SI-156-H7			99-1221	Support Deleted
						SI-156-H9			99-1220	
			Two	1	1	SI-156-H9			VT-02-667	Expansion
						SI-160-H1			VT-02-511	
	26	SI 2B	One	2	2	SI-179-H9			99-1223	Support Deleted
						SI-179-H11			99-1222	
			Two	3	3	SI-175-H21			VT-02-507	Reject
		*			ŀ				VT-02-655	Re-exam
				,		SI-175-H22			VT-02-512	Support Deleted
	 					SI-175-H23			VT-02-513	
			1	 	· · · · · · ·	SI-179-H11			VT-02-669	Expansion
	27	PZR Spray 1A	One	9	9	RC-62-H26			99-1209	
		L Dit Opiny 11t		 	 	RC-62-H27		 	99-1208	
	$\vdash \!\!\!\!\!-$			 	 	RC-62-H28		1	99-1207	
				<u> </u>	 	RC-62-H29		1	99-1206	Support Deleted
		*			 	RC-62-H30			99-1205	Support Deleted
	 			 	 	RC-62-H31		 	99-1203	Support Deleted
	 		 	 	 	RC-62-H32		1	99-1204	Support Detected
	<u> </u>		+	 	 			 	99-1203	
				 	 	RC-62-H33		ļ		Current Deleted
	<u> </u>		+	<u> </u>		RC-62-H34		+	99-1262	Support Deleted
	 		Two	8	8	RC-16-H5		 	VT-02-537	
				<u> </u>	<u> </u>	RC-16-H6		1	VT-02-608	
			+	<u> </u>	<u> </u>	RC-16-H7		ļ	VT-02-609	
				ļ	 	RC-16-H15			VT-02-536	Support Deleted
				 		RC-62-H35		1	VT-02-610	
				<u> </u>		RC-62-H36		1	VT-02-611	Support Deleted
	ļ				ļ	RC-62-H37		1	VT-02-612	
						RC-62-H38			VT-02-613	
	28	PZR Spray 1B	One	9	9	RC-17-H24			99-1217	
					<u></u>	RC-17-H34			99-1216	
						RC-17-H35			01-1172	
						RC-17-H36			99-1215	
						RC-17-H38			99-1214	
	<u></u>				1	RC-17-H39			99-1213	Support Deleted
						RC-17-H39			77-1213	Support Defeted
						RC-17-H39 RC-17-H40		1	99-1212	Support Detected
										Support Deleted
						RC-17-H40			99-1212	

ASME Item no	Zone	Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf		Remarks
						RC-17-H44				Support Deleted
						RC-17-H45			VT-02-618	
						RC-17-H46	5	<u> </u>	VT-02-619	
						RC-18-H9			VT-02-620	
						RC-18-H10			VT-02-534	Support Deleted
						RC-18-H11			VT-02-621	Support Deleted
						RC-18-H12			VT-02-535	'
	29	PZR Spray	One	2	2	RC-18-H16			99-1439	
						RC-18-H18			99-1440	
			Two	1	1	RC-18-H17				RR#4
			Three			RC-018H016				Aug pre-overlay
	32	Drain 1A	One	2	2	RC-60-HA			07-VT-1161 99-1326	Aug post-overlay Support Deleted
	32	Diam 1A	One			RC-60-HB		 	99-1327	Support Deleted
	33	Drain Line 1B	Two	2	2	RC-58-HA		 	VT-02-493	Support Deleted
	33	Diam Line 15	100			RC-58-HB	×	<u> </u>	VT-02-493 VT-02-494	Support Deleted
	34	Drain Line 2A	True	2	2	RC-36-HA		 	VT-02-494 VT-02-532	Support Deleted
	34	Diani Line ZA	Two		4	RC-96-HA RC-96-HB		 	VT-02-532 VT-02-533	Support Dalated
	36	Letdown	One	9	9	RC-96-HB RC-91-H1			99-1592	Support Deleted
	30	LEUUWII	One	7	- J	RC-91-H1 RC-91-H5		 	99-1593	
						RC-91-H5 RC-91-H6		 	99-1593	
	_					RC-91-H6 RC-91-HB		 	99-1394	Support Deleted
	-					RC-91-HD			99-1323	Support Defeted
	-	 	+			RC-91-HD RC-91-HE				Summent Deleted
									99-1319	Support Deleted
						RC-91-HY			99-1321 99-1324	
			_			RC-91-HZ RC-91-HAA		 	99-1324	
		<u> </u>								
			Т	10	10	RC-91-HAK RC-91-H6			99-1320	
		1	Two	10	10				VT-02-415	
						RC-91-HAJ		 	VT-02-416	
						RC-91-HP			VT-02-417	DD#4
						RC-91-H2 RC-91-HAP			VT-04-004 VT-04-005	RR#4 RR#4
			_			RC-91-HAP			VT-04-003	RR#4
					ļ ———	RC-91-HAQ		 	VT-04-007	RR#4
					-	RC-91-HQ RC-91-HR		 	VT-04-007 VT-04-008	RR#4
		 -	+			RC-91-HS	 	 	VT-04-008	RR#4
						RC-91-HT		<u> </u>		RR#4
	37	Charging	One	14	14	CH-5-H2				Support Deleted
,	- 37	Charging	Oile	17	14	CH-5-H3			99-1266	Support Defeted
		÷			-	CH-5-H25			99-1267	
						CH-5-H26		 	99-1268	Support Deleted
						CH-5-H27			99-1269	Support Deleted
	 	<u> </u>			 	CH-5-H28		 	99-1209	
	 		+			CH-5-H30			99-1271	
						CH-5-H34		 	99-1272	
	 					CH-5-H35			99-1272	
	 		-		 	CH-5-H36			99-1274	
					-	CH-5-H42		 	99-1275	
	 		+			CH-5-H43		 	99-1276	Support Deleted
	\vdash		-			CH-5-H44			99-1277	Support Deleted
	\vdash	 				CH-5-HAA		<u> </u>	99-1277	Support Deleted
	 		Two	9	9	CH-5-HAA CH-5-H13			VT-02-580	Support Deteted
	 		1 1 WO	7	-	CH-5-H17		 	VT-02-580 VT-02-581	
	 				-	CH-5-H18		 	VT-02-581 VT-02-582	
		1	+		 	CH-5-H19		1	VT-02-583	
						CH-5-H20		1	VT-02-584	·
	 				-	CH-5-H21			VT-02-585	
	\vdash	<u> </u>				CH-5-H22		 	VT-02-586	
	\vdash	· · · · · · · · · · · · · · · · · · ·				CH-5-H32		 	VT-02-580 VT-02-587	
	 					CH-5-H37		 	VT-02-588	
	39	HPSI 1	One	4	4	SI-248-H26		 	99-1238	Support Deleted
L	1 37	1111 91 1	I OHE			51-240-F120	I	<u> </u>	22-1430	Inabbour neieren

ASME Item no	Zone	Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
						SI-248-H27			99-1237	
						SI-248-H28			99-1236	
						SI-248-H30			99-1235	Support Deleted
						SI-248-H25			99-1239	
			Two	5	5	SI-248-H17			VT-02-418 VT-04-334	,
						SI-248-H18				Support Deleted
						SI-248-H19			VT-02-572	· • • • ·
						SI-248-H20		1	VT-02-573	
						SI-248-H29			VT-02-420	
			Three	11	0	SI-248-H-18				PSE
						SI-248-H-32				PSE
						SI-248-H-34				PSE
*	t		1			SI-248-H-35		<u> </u>		PSE
	 					SI-248-H-37		1	VT-06-724	PSE
	40	HPSI 2	One	3	3	SI-199-H13			01-1016	
						SI-199-H14			01-1017	
	· ·					SI-199-H21			01-1015	Support Deleted
		<u>, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>	Two	4	4	SI-199-H15			VT-02-574	
						SI-199-H16	,		VT-02-575	
		-				SI-199-H17			VT-02-576	
						SI-199-H18			VT-02-577	
F 1.40	3	SG 1	One	1	1	3-40			01-1329	
			Three	0	0	3-140			VT-05-665	PSE
	4	SG 2	Two	1	1	4-40			VT-02-623	
	Ì		Three	0	0	4-140			VT-05-666	PSE
	5	Pressurizer	One	0	0	5-40		1	99-1712	
	16	RCP 1A	One	2	2	16-20		1	99-1259	
						16-21			99-1259	
			Two	4	4	16-12			VT-02-524	
						16-13			VT-02-525	
	1					16-14			VT-02-526	
						16-15			VT-02-527	
	17	RCP 1B	One	2	2	17-20			99-1260	
						17-21			99-1260	
			Two	4	. 4	17-12			VT-02-528	
						17-13			VT-02-529	
						17-14			VT-02-530	
						17-15			VT-02-531	
	18	RCP 2A	One	4	4	18-12			99-1663	
	1	,				18-13			99-1663	
						18-14			99-1663	
						18-15			99-1663	
			Two	2	2	18-20			VT-02-643	
						18-21			VT-02-645	
	19	RCP 2B	One	4	4	19-12			99-1664	
						19-13			99-1664	
						19-14			99-1664	
				<u> </u>		19-15			99-1664	
	<u> </u>		Two	2	2	19-20			VT-02-646	
N/A	6	RCS Piping	Three	0	0	19-21 RC31 Inst.			VT-02-647 07-VT-1118	Aug BMI VT-2 (IN 2004-11)
	<u>L</u>		Ш	L	<u></u>	Nozzles				
						RC34 Inst. Nozzles			07-VT-1118	Aug BMI VT-2 (IN 2004-11)
						RC79 Inst. Nozzles			07-VT-1118	Aug BMI VT-2 (IN 2004-11)
	 		_	-		RC93 Inst.		 	07-VT-1112	Aug BMI VT-2 (IN 2004-11)
		I	1	ı	í	110/3 11131.	ı	1	1 21-41-1110	1

ASME	Zone	Comp/Sys	Insp	Amt	Amt	Item ID	Vol	Reports Surf	Visual	Remarks
Item no			Per	Req	Comp					

ASME Class 2

ASME	CIASS	4							
C 1.10	41	SG 1	One	1	1	41-3	01-1384	r	Examined 0°-180°
1.10	"'	30 1	One	1	1	41-3	01-1387		Examined 0 -180
							01-1367		
							01-1408		
	 	,	-			41-4	01-1385		Examined 0°-180°
						41-4	01-1388		Examined 0 -180
							01-1300		
							01-1407	-	
	1		Three	0	0	41-105	UT-05-115		PSE
	 	,	Tince			41-105	UT-05-118		PSE
	1		-			41-118	UT-05-109		PSE
	68	Regen HTEXCH	Two	3	3	68-3	UT-02-194		132
	- 00	Regell III EXCIT	1 1 W U	3	,	68-5	UT-02-194		
<u> </u>						68-7	UT-02-198		· · ·
	69	Letdown HTEXCH	One	50%	50%	69-1	99-1485		Examined 0°-180°
	09	Leidowii III LACII	Three	50%	50%	69-1	UT-05-133		Examined 180 to 360°, Limited UT
			Timee	30 %	30%	09-1	01-03-133		exam CC N-460
	84	SD Cooling A	Two	50%	50%	74-123	UT-04-111		Examined 0°-180°
—	87	SD Cooling HX B	Three	50%	50%	75-78	UT-05-201		180 to 360 Deg
C 1.20	41	SG 1	One	3076	3076	41-5	01-03-201		Examined 0°-180°
1.20	"		l Que	1	'	71-3	01-1389	}	Examined 0 -100
							01-1392		
							01-1393		
							01-1394		
	1						01-1395		
Ì							01-1409		,
	1						01-1410		
	 	,	Three	1	1	41-107	UT-05-121		PSE
	68	Regen HTEXCH	Two	2	2	68-4	UT-02-195		1
						68-6	UT-02-197		
C 1.30	41	SG 1	One	1	1	41-1	01-1206		Examined 0°-180°
							01-1207		
							01-1219		
							01-1241		
			Three	1	1	41-104	UT-05-110	·	PSE, Limited UT exam CC N-460
	42	SG 2	Two	1	1	42-1	UT-02-261		Examined 0°-180°
	"-	1562	1 ""	1	1 1	72-1	UT-02-258		Examined v -100
	l						UT-02-259		
	1						UT-02-275		
	68	Regen HTEXCH	Two	4	4	68-1	UT-02-192		
	1 00	Regentitexen	1 ***	-		68-2	UT-02-193		
—	 		1			68-8	UT-02-199		
——	\vdash		1			68-9	UT-02-200		
	69	Letdown HTEXCH	One	50%	50%	69-2	99-1484		Examined 0°-180°
	+ 👸		Three	50%	50%	69-2	UT-05-134		Examined 0 -180° Examined 180° to 360°
	84	SD Cooling A	Two	50%	50%	74-124	UT-04-112		Examined 180° to 500
	87	SD Cooling HX B	Three	50%	50%	75-79	UT-05-202		Examined 0 -180° Examined 180° to 360°
C 2.21	41	SG I	One	1	1	41-34	01-1279	01-1008	Diamined 100 to 500
	``		5	•		,1-5-4	01-1279	1	
			Two	2	2	41-9	UT-04-108	MT-04-006	
						41-10	UT-04-109	MT-04-007	
			Three	3	3	41-102	UT-05-111	MT-05-101	PSE
						41-103	UT-05-113	MT-05-102	PSE
	Ī	1				41-109	UT-05-119	MT-05-105	PSE
	1								
						41-110	UT-05-120	MT-05-106	PSE
						41-110 41-114	UT-05-120 UT-05-122	MT-05-106 MT-05-107	PSE PSE

ASME Item no	Zone	Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
-	42	SG 2	One	1	1	42-35	01-1281 01-1282	01-1009		
		•	Three	0	0	42-100	RT-05-026 UT-05-198	PT-05-034		PSE
						42-101	RT-05-027 UT-05-199	PT-05-035		PSE
	84	SD Cooling A	Two	1	1	74-122	UT-04-110	MT-04-088		
	87	SD Cooling HX B	Three	l	1	75-76	UT-05-200	MT-05-147		
C 2.22	41	SG 1	Two	2	2	41-9	UT-04-113			Inner Radius (ID) RR8
						41-10	UT-04-114			Inner Radius (ID) RR8
			Three	3	3	41-102-IR	UT-05-112			PSE
						41-103-IR	UT-05-114			PSE
						41-114-IR		MT-05-129		PSE RR#8
	ļ					41-115-IR		MT-05-130		PSE RR#8
		SD Cooling A	Two	1	1	74-122	UT-04-115			Inner Radius (ID)
	÷	SD Cooling HX B	Three	1	1	75-76	UT-05-206			
C 3.10	41	SG 1	One	1	1	41-42	<u> </u>	01-1447		
			Three	0	0	41-112	UT-05-117	MT-05-103		PSE
	40	56.2	+			41-113	UT-05-116	MT-05-104		PSE
		SG 2	Two	1	1	42-43	ļ	MT-04-090		0.00, 00.014.00
<u> </u>	68	Regen HTEXCH	Two	2	2	68-10		PT-02-132		96% CC N460
	 	MC CC1 270	+	-,-	 	68-11	<u> </u>	PT-02-133		96% CC N460
	+	MS SG1 270	Two	1	1	SG-33-H16		MT-02-184		-
	45	MS SG2 270	One	1	1	SG-42-H14		99-1430		
	ļ		Two	2	2	SG-42-H15		MT-02-185	······	
	55	Feedwater SG 2				SG-42-H16 SG-5-H9		MT-02-186 01-1184		
) 33	reedwater SG 2	One	1	1 1	SG-3-H9		01-1184		
	62	Aux FW SG1	Two	<u> </u>	1	AF-18-H1	-	PT-04-040		
	64	Blowdown SG 1	One	3	3	SG-39-H15		01-1298	· · · · · · · · · · · · · · · · · · ·	
	04	Blowdown 3O 1	One			30-39-1113		01-1302		
	 			 	 	SG-39-H17		01-1303		Support Deleted
	<u> </u>	 		 		SG-53-H1		01-1002		Support Deleted
<u> </u>	 		Two	2	2	SG-39-H1		MT-02-203		
	<u> </u>					SG-53-H5		MT-02-200		
				ŀ				PT-02-176		
	65	Blowdown SG 2	One	2	2	SG-48-H20		01-1295		Support Deleted
						SG-52-H1		01-1003		Support Deleted
		Ì	Two	3	3	SG-48-H14		MT-04-077		
		,				SG-48-H16		MT-04-078		
						SG-48-H26		MT-04-079		
		LPSI Discharge	One	1	1	SI-87-H11		99-1435		
	76	CS Suction	One	1	1	SI-9-H4		99-1373		
	77	Cont Spray A	Three	1	1	S1-79-H7		PT-05-038		
<u> </u>	80	Cont Spray B	Three	1	1	SI-119-H5		PT-05-039		
<u> </u>	83	SD Cooling 1	Two	2	2	SI-87-H4		PT-04-061		
<u> </u>			 	<u> </u>	<u> </u>	SI-90-H1	<u> </u>	PT-04-041		
	<u> </u>		Three	2	2	SI-70-H1	ļ	PT-05-102		
ļ	0.0	SD Contraction		<u> </u>	-	SI-70-H6		PT-05-043		
	86	SD Cooling HX B	Three	2	2	SI-72-H1	 	PT-05-044		
	88	East Wrap	One	1	1	SI-72-H12 SI-72-H13		PT-05-045 99-1516		
<u> </u>	89	East Wrap	One	1	1	SI-72-H13 SI-194-H14	-	99-1516		
<u> </u>	91	West Wrap	One	4	4	SI-70-H9	 	99-1019		
	1 - 21	Trest Wiap	Olic	 	+	SI-70-H9		99-1374		
-	+	 	+	 	 	SI-70-H12	1	99-1456		
 	 	 		 	+	SI-70-H12	 	99-1256		
 	92	West Wrap	One	 	1 1	SI-241-H21		99-1605		
 	 	oc map	Two	2	2	SI-239-H1	1	PT-04-017		-
 	 	 	1 1 110	 	 	SI-241-H16	 	PT-04-018		
<u> </u>	93	CS Discharge 1	Two	1	1	SI-89-H13	<u> </u>	PT-04-020		
	94	LPSI A	Two	2	2	SI-070-H5		PT-02-121		
<u> </u>				·		<u> </u>				_

ASME Item no	Zone	Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
						SI-070-H8		PT-02-130		
		Train B Chase	Three	1	1	SI-194-H6		PT-05-049	·	
	99	LPSI to Loop 2B	Two	1	1	SI-174-H13	· Carrier in	PT-02-129		
	100	LPSI Suction A	One	<u>l</u>	1	SI-369-H1		99-1457		
	101		Two	1	1	84-5		PT-02-178		
	101	LPSI Sump B	Three	1	1	85-5		PT-05-050		<u> </u>
	102	SI Suction A	One	3	3	SI-307-H2		01-1446		
						SI-307-H3	<u> </u>	01-1446		
	100	D 0 1 0 1 1	ļ			SI-307-H15		01-1446		
	103	Refuel. Suction A	Two	2	2	CH-424-H6		PT-02-118		
	104	CI C .: D	<u> </u>			CH-142-H20		PT-04-069		
		SI Suction B	Two	1	1	SI-308-H3		PT-02-159		
	105	SI B	Three	3	3	CH-149-H2	ļ	PT-05-051		
		-				CH-149-H8		PT-05-052		
		Tinai ni				CH-425-H6	ļ	PT-05-053		
	+	HPSI Discharge	One	1	1	SI-107-H22	ļ	01-1198		Limited exam
C 3.30	72	LPSI Pump A	One	3	3	72-3A		01-1471		
	 		+			72-3B		01-1471		<u> </u>
		I DOL A	+			72-3C		01-1471		
	75	LPSI A	Two	3	3	73-3A		PT-04-004		
		<u> </u>				73-3B		PT-04-005		.
						73-3C		PT-04-006		
	78	CS A	Two	3	3	80-3A	ļ	PT-04-007		
						80-3B		PT-04-008		
						80-3C		PT-04-009		
	81	Cont Spray B	Three	3	3	81-3A		PT-05-040		
	ļ					81-3B		PT-05-041		
						81-3C		PT-05-042		
	116	HPSI Pump A	One	4	4	116-1A		01-1473		Limited exam
						116-1B		01-1473		
	L					116-1C		01-1473		
	<u> </u>					116-1D		01-1473		Limited exam
	117	HPSI Pump B	Two	4	4	117-1A		PT-04-034		
	ļ			ļ		117-1B		PT-04-035		
	<u> </u>			ļ		117-1C		PT-04-036		
						117-1D		PT-04-037		
C 4.40	47	Main Steam SG 1	One	20	20	UV170	01-1372	ļ		
	48	Main Steam SG 1	One	20	20	UV180	01-1373	ļ		
	49	MS (East) SG	Three	20	20	V171	UT-05-128 UT-05-213			20 Studs Installed - no rejects, PSE of 3 studs for CRDR 2842463.
} 	50	MS (West) SG	Three	20	20	V181	UT-05-129	1		20 Studs Installed
		Feedwater SG 1	Two	40	40	V132	UT-02-209	1		20 Studs
	 					V174	UT-02-210	 		20 Studs
	57	Feedwater SG 2	Three	20	20	V137	UT-05-130			20 Studs Installed
			Three	20	20	V177	UT-05-131			20 Studs Installed
C 5.11	58	Aux Feed SG 1	Two	0(1)	0(1)	58-1	RT-04-001	PT-04-001		IEB 79-13
& 5.12	1		Three	1	0	58-1	RT-05-019	PT-05-036		PSE
	59	Aux Feed SG 2	Two	2(4)	2(4)	59-1	UT-02-219	PT-02-140		PSE
	ł			. ` ′	` ′		UT-02-220			
	1	1					UT-02-225	į l		
		· · · · · · · · · · · · · · · · · · ·	1			59-12	UT-04-134	PT-04-068		PSE
			1	 	i	59-16	UT-02-159	PT-02-097		PSE, AUG (IEB 79-13)
		1				-	UT-02-160			
							UT-02-161] ,]		
	 					59-16A	UT-02-273	PT-02-160		PSE, AUG (IEB 79-13)
	<u> </u>			-		59-16C	UT-02-274	PT-02-161		PSE
	t		+			59-34	UT-02-283	PT-02-091		
		}				37-37	UT-02-284	1 -02-091		·
	 		Three	0	0	59-1	RT-05-020	PT-05-037		PSE
	62	Aux Feed SG 1	Two	1	1	62-6	UT-04-077	PT-04-002		
	 ~~~		Three	3	3	62-5	UT-05-193	11.04.002		
	<u> </u>	I	1 111100		, ,	V2-J	01-00-193	<u> </u>		1

82/8	23 LPSI Suction A & B 25 SD Cooling HX A/B 26 SD Cooling HX A/B	One Two One Two One One	0 1(1) 1 2 4 6	0 1(1) 1 2 4 6	62-6 62-12 62-13 63-4 63-4 63-23 70-58 70-56 72-50 73-49 74-19 74-21 74-22 74-105 78-16 74-44 76-2 76-21	UT-05-194 UT-05-195 UT-05-196 01-1525 01-1526 UT-04-078 UT-04-079 99-1258 UT-02-174 UT-02-175 99-1372 01-1428 99-1381 99-1383 99-1384 99-1382 99-1604 99-1311	01-1188 PT-04-003 99-1257 PT-02-111 99-1316 01-1189 99-1315 99-1317 99-1317 99-1314 99-1515 99-1279	Needs PDI re-exam Aug, PDI re-exam
82/8 83/8 88/9 90/9 94/9	23 LPSI Suction A & B 25 SD Cooling HX A/B 26 SD Cooling HX A/B	Two One Two One One	1(1) 1 1 2 4	1(1)	62-13 63-4 63-23 70-58 70-56 72-50 73-49 74-19 74-21 74-22 74-105 78-16 74-44 76-2	UT-05-196 01-1525 01-1526 UT-04-078 UT-04-079 99-1258 UT-02-174 UT-02-175 99-1372 01-1428 99-1381 99-1383 99-1384 99-1382 99-1604	PT-04-003 99-1257 PT-02-111 99-1316 01-1189 99-1315 99-1317 99-1317 99-1314 99-1515	
82/8 83/8 88/9 90/9 94/9	23 LPSI Suction A & B 25 SD Cooling HX A/B 26 SD Cooling HX A/B	Two One Two One One	1(1) 1 1 2 4	1(1)	63-4 63-4 63-23 70-58 70-56 72-50 73-49 74-19 74-21 74-22 74-105 78-16 74-44	01-1525 01-1526 UT-04-078 UT-04-079 99-1258 UT-02-174 UT-02-175 99-1372 01-1428 99-1381 99-1383 99-1384 99-1382 99-1604	PT-04-003 99-1257 PT-02-111 99-1316 01-1189 99-1315 99-1317 99-1317 99-1314 99-1515	
90/9 94/9	23 LPSI Suction A & B 25 SD Cooling HX A/B 26 SD Cooling HX A/B	Two One Two One One	1(1) 1 1 2 4	1(1)	63-4 63-23 70-58 70-56 72-50 73-49 74-19 74-21 74-22 74-105 78-16 74-44 76-2	01-1526 UT-04-078 UT-04-079 99-1258 UT-02-174 UT-02-175 99-1372 01-1428 99-1381 99-1383 99-1384 99-1382 99-1604 99-1311	PT-04-003 99-1257 PT-02-111 99-1316 01-1189 99-1315 99-1317 99-1317 99-1314 99-1515	
82/8 83/8 88/9 90/9 94/9	SS SD Cooling HX A/B SS SD Cooling HX A/B	One Two One One	1 1 2 4	1 1 2 4	63-23 70-58 70-56 72-50 73-49 74-19 74-21 74-22 74-105 78-16 74-44 76-2	UT-04-078 UT-04-079 99-1258 UT-02-174 UT-02-175 99-1372 01-1428 99-1381 99-1383 99-1384 99-1382 99-1604 99-1311	99-1257 PT-02-111 99-1316 01-1189 99-1315 99-1317 99-1317 99-1314 99-1515	Aug, PDI re-exam
82/8 83/8 88/9 90/9 94/9	SS SD Cooling HX A/B SS SD Cooling HX A/B	One Two One One	1 1 2 4	1 1 2 4	63-23 70-58 70-56 72-50 73-49 74-19 74-21 74-22 74-105 78-16 74-44 76-2	UT-04-079 99-1258 UT-02-174 UT-02-175 99-1372 01-1428 99-1381 99-1383 99-1384 99-1382 99-1604 99-1311	99-1257 PT-02-111 99-1316 01-1189 99-1315 99-1317 99-1317 99-1314 99-1515	Aug, PDI re-exam
82/8 83/8 88/9 90/9 94/9	SS SD Cooling HX A/B SS SD Cooling HX A/B	Two One One	2 4	2 4	70-58 70-56 72-50 73-49 74-19 74-21 74-22 74-105 78-16 74-44 76-2	99-1258 UT-02-174 UT-02-175 99-1372 01-1428 99-1381 99-1383 99-1384 99-1382 99-1604 99-1311	99-1257 PT-02-111 99-1316 01-1189 99-1315 99-1317 99-1317 99-1314 99-1515	
82/8 83/8 88/9 90/9 94/9	SS SD Cooling HX A/B SS SD Cooling HX A/B	Two One One	2 4	2 4	70-56 72-50 73-49 74-19 74-21 74-22 74-105 78-16 74-44 76-2	UT-02-174 UT-02-175 99-1372 01-1428 99-1381 99-1383 99-1384 99-1382 99-1604 99-1311	PT-02-111 99-1316 01-1189 99-1315 99-1317 99-1317 99-1314 99-1515	
83/8 88/9 88/9 90/9 94/9	36 SD Cooling HX A/B	One	2	4	72-50 73-49 74-19 74-21 74-22 74-105 78-16 74-44 76-2	UT-02-175 99-1372 01-1428 99-1381 99-1383 99-1384 99-1382 99-1604 99-1311	99-1316 01-1189 99-1315 99-1317 99-1317 99-1314 99-1515	
83/8 88/9 88/9 90/9 94/9	36 SD Cooling HX A/B	One	4	4	73-49 74-19 74-21 74-22 74-105 78-16 74-44 76-2	99-1372 01-1428 99-1381 99-1383 99-1384 99-1382 99-1604 99-1311	01-1189 99-1315 99-1317 99-1317 99-1314 99-1515	
83/8 88/9 88/9 90/9 94/9	36 SD Cooling HX A/B	One	4	4	73-49 74-19 74-21 74-22 74-105 78-16 74-44 76-2	01-1428 99-1381 99-1383 99-1384 99-1382 99-1604 99-1311	01-1189 99-1315 99-1317 99-1317 99-1314 99-1515	
90/9					74-19 74-21 74-22 74-105 78-16 74-44 76-2	99-1381 99-1383 99-1384 99-1382 99-1604 99-1311	99-1315 99-1317 99-1317 99-1314 99-1515	
90/9					74-21 74-22 74-105 78-16 74-44 76-2	99-1383 99-1384 99-1382 99-1604 99-1311	99-1317 99-1317 99-1314 99-1515	
90/9	P1 East & West Wrap	One	6	6	74-22 74-105 78-16 74-44 76-2	99-1384 99-1382 99-1604 99-1311	99-1317 99-1314 99-1515	
90/9	P1 East & West Wrap	One	6	6	74-105 78-16 74-44 76-2	99-1382 99-1604 99-1311	99-1314 99-1515	
90/9	East & West Wrap	One	6	6	78-16 74-44 76-2	99-1604 99-1311	99-1515	
90/9	East & West Wrap	One	0	0	74-44 76-2	99-1311		
94/9					76-2		1 99-12/9 [-1
94/9								
94/9					70-21		99-1279	
94/9					=	01-1535 01-1547	01-1190	,
94/9					77-7	01-1521	01-1371	Limited exam
94/9			L	i i	11-1	01-1521	01-13/1	Limited exam
94/9			T T		77-14	01-1522	01-1371	 Limited exam
94/9					,,-14	01-1523	01-15/1	Emited Cam
94/9						01-1524		
94/9		Two	7	7	76-7	UT-04-089	PT-04-013	Limited UT Exam
94/9				 	76-8	UT-04-090	PT-04-014	
94/9			· · · ·	1	77-8	UT-04-091	PT-04-015	
94/9					77-16	UT-04-092	PT-04-016	 Limited UT Exam
94/9					78-9J	'UT-04-086	PT-04-010	
94/9					78-11	UT-04-087	PT-04-011	
94/9					79-14	UT-04-088	PT-04-012	Limited UT Exam
	3 SI East/West Wrap	Two	0(1)	0(1)	84-9	UT-04-093	PT-04-019	Aug, Limited UT exam
	95 SI A & B	One	1	1	74-40	01-1427	01-1430	
96	1	Two	2	2	74-37	UT-02-172	PT-02-109	
96		1,,,	آ آ	1 - 1	.,,,,	UT-02-173	*** • • • • • • • • • • • • • • • • •	
96					74-38	UT-02-170	PT-02-110	
96			l			UT-02-171		
96		Three	1	1	74-30	UT-05-197	1	
	LPSI Loop 1A, 1B, 2A,	One	3	3	78-45	99-1513	99-1502	
thn	u 2B							
99			l					
					78-47	99-1514	99-1502	
					79-23	01-1276	01-1293	
						01-1277	<u> </u>	 <u> </u>
		Two	2	2	77-22	UT-02-162	PT-02-095	
					77-27	UT-02-163	PT-02-096	Limited UT exam
		<u> </u>				UT-02-164		
100	0 LPSI Suction A	Two	2	2	70-121	UT-02-165	PT-02-093	Limited UT exam
		<u> </u>	1	ļ		UT-02-166		
	1		1		84-3	UT-02-291	PT-02-177	Limited UT exam
1.2	a lara	<u> </u>	L		04.10	UT-02-293	01.1101	
102	2 SI Suction A	One	0	0	84-12	01-1487	01-1191	1
 	+	<u> </u>	1/1\	1/1	94.26	01-1488	PCE 02 000	Limited LIT more
		Two	1(1)	1(1)	84-26	UT-02-150	PT-02-090	Limited UT exam
						UT-02-169 UT-04-095	PT-04-022	Limited UT exam
		 			04.10		 	
100			—	1	84-12	UT-04-094	PT-04-021	 Aug, Limited UT exam
103	2 Definal Constitution A	D	1 1	1	86-57	01-1305	01-1300	 Limited LIT over
	3 Refuel. Suction A	One Two	1	1	86-1	UT-02-186 UT-02-187	PT-02-117	Limited UT exam

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ASME	Zone	Comp/Sys	Insp	Amt	Amt	Item ID	Vol	Reports Surf	Visual	Remarks
Item no	104	SI Suction B	Per	Req 1	Comp	85-46	01 1207	01-1301		Limited exam
	104	51 Suction B	One	l 1		83-40	01-1307 01-1308	01-1301		Limited exam
						ا 1 في يو هميان يو	01-1309			
			Two	1	1	85-31	UT-02-276	PT-02-158		
	105	Refuel. Suction B	One	1	1	87-23	01-1306	01-1192		
			Two	1	· 1	87-37	UT-02-277	PT-02-165		
C 5.21	106 /	HPSI Discharge A/ B	One	4	4	106-1	UT-02-279 01-1244	01-1193		Limited exam
0 3.21	1007	III 31 Discharge A/ B	One	"		100-1	01-1244	01-1193		Limited exam
							01-1252			
						106-21	01-1254	01-1193		Limited exam
							01-1257			
	<u> </u>					105.11	01-1260			
						107-11	01-1245 01-1249	01-1194		Limited exam
							01-1249	1		
	.					107-42	01-1225	01-1194		Limited exam
							01-1226			
							01-1227			
			Two	4	4	106-64	UT-04-096	PT-04-024		Limited UT exam
	,					106-68	UT-04-097	PT-04-025		
-	ļ					107-1	UT-04-098	PT-04-026		Limited UT exam
-	108 /	HPSI Discharge	One	2	2	107-22 109-4	UT-04-099 01-1246	PT-04-027 01-1195		Limited exam
	1087	HPSI Discharge	One		-	109-4	01-1246	01-1195		Limited exam
	107					109-21	01-1489	01-1502		
	<u> </u>		Two	3	3	108-1	UT-04-100	PT-04-028		1
						108-4	UT-04-101	PT-04-029		
						108-25	UT-04-102	PT-04-030		
		HPSI Discharge	One	2	2	110-6	01-1247	01-1229		Limited exam
	111			ļ		110-39	01-1251 01-1261	01-1196	,	Limited exam
,						110-39	01-1261	01-1190		Limited exam
							01-1265	l l		1
	112/	HPSI Discharge A & B	One	3	3	112-1	01-1255	01-1197		Limited exam
	113						01-1258	<u> </u>		
	ļ					112-33		01-1197		
		·				112-34	01-1259	01-1183		Limited exam
	ļ		<u> </u>	 		112-45	01-1256 01-1262	01-1374 01-1197		Limited exam
						112-43	01-1262	01-1197		Limited exam
							01-1266			
			Two	2	2	113-21	UT-04-103	PT-04-031		Limited UT exam
						113-28	UT-04-104	PT-04-032		Limited UT exam
		HPSI1A, 1B, 2A & 2B	One	1	1	115-13	01-1310	01-1274		Limited exam
	115		Т	1	1	115.20	01-1311	PT 02 102		Limited IFT core
			Two	1	1	115-20	UT-02-298 UT-02-299	PT-02-102		Limited UT exam
	118/	HPSI Long Term	Two	4	4	118-49	UT-02-299	PT-02-094		Limited UT exam
	119	, ,	1	•	'	3.0.7	UT-02-168			
						119-52	UT-02-300	PT-02-166		Limited UT exam
							UT-02-301			
	1					119-26	UT-04-105	PT-04-038		
C 5 30	1000	HDCI Discharge A 0 P	0	<u> </u>	1	119-53	UT-04-106	PT-04-039	 	Limited UT exam
C 5.30	106/	HPSI Discharge A&B	One	1	1	107-53		01-1194		1
	† · · ·		Two	1	1	106-61		PT-04-023		
			Three	0	0	107-65		07-PT-1008		PSE
C 5.41&		SD Cooling HX A/ B	One	1	1	72-49A		99-1316		
5.42		East & West Wrap	One	1	1	74-102		99-1279		
	96	LPSI to Loop 1A	Two	1	1	76-78		PT-02-100		
<u>L</u>			L		<u> </u>		L			

ASME Item no	Zone	Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
C 5.51&		MS SG1 90	One	1	1	43-2	99-1443	99-1432		
5.52	44	MS SG1 270	One	1	1	44-1	99-1442	99-1431		
			Two	2	2	<u>.</u> 44-5	UT-02-217	MT-02-182		
						44-30	UT-02-218	MT-02-183		1
		\(\alpha \alpha	Three	0	0	44-1	RT-05-015	MT-05-131		PSE
		MS SG2 90	One	1	1	46-25	99-1444	99-1433		
	54	Feedwater SG 1	One	1	1	54-41	01-1520	01-1296		per (v. 1; pm)
			-			54-10	01-1616	01-1610		PSE (Vol is RT)
			 			54-11A	01-1613	01-1610 01-1610		PSE (Vol is RT)
						54-24 54-25A	01-1617 01-1614	01-1610		PSE (VOLIS KI)
			Two	2	2	54-23A	UT-02-296	MT-02-201		PSE
			1 WO		-	54-11A	UT-02-295	MT-02-201		1 SE
			Three	0	0	54-1	RT-05-016	PT-05-066		PSE
	 		Timee	U		54-15	RT-05-017	PT-05-067		PSE
	55	Feedwater SG 2	One	2	2	55-1	01-1204	01-1001		I DL
\vdash	ا ا	2 300	5110			55-15	01-1204	01-1001		
	\vdash		1			55-10	01-1620	01-1532		PSE (Vol is RT)
	\vdash		 			55-11	01-1618	01-1532		PSE (Vol is RT)
	<u>[</u>						01-1619	1552		
·			Two	1	1	55-26	UT-02-294	MT-02-196		PSE
			Three	0	0	55-1	RT-05-025	PT-05-069		PSE
						55-15	RT-05-018	PT-05-070		PSE
			1			55-16	UT-05-182	PT-05-071		PSE
						55-17	UT-05-183	PT-05-072		PSE
						55-18	UT-05-184	PT-05-073		PSE
						55-19	UT-05-185	PT-05-074		PSE
						55-20	UT-05-186	PT-05-075		PSE
	57	Feedwater SG 2	Three	2	2	57-1	UT-05-187			*
						57-3	UT-05-188			
	58	Aux & Dwncmr SG1	One	1(5)	1(5)	41-39	99-1495	99-1508		()Identifies augment
						58-1	99-1494	99-1501		EXAM (IEB 79-13
						58-12	99-1286	99-1231		& SER 83-07)
						58-13	99-1289	99-1231	•	
						58-16	01-1529	99-1285		
	L		<u> </u>				ļ	01-1297		
						58-16A	01-1528	99-1285 01-1297		
						58-6	01-1559	01-1530		PSE (Vol is RT)
							01-1560	.		
	<u> </u>						01-1561			
						58-35	01-1562	01-1530		PSE (Vol is RT)
						58-36	01-1563	01-1530		PSE (Vol is RT)
	L		Two	0(4)	0(4)	58-12	UT-02-157	MT-02-161		AUG (IEB 79-13)
	<u> </u>					58-13	UT-02-158	MT-02-162		AUG (IEB 79-13)
<u> </u>						58-16	UT-02-156	MT-02-163		AUG (IEB 79-13)
			ļ			58-16A	UT-02-155	MT-02-164		AUG (IEB 79-13)
			Three	0	0	41-111	UT-05-227	MT-05-142		PSE
<u> </u>	59	Aux & Dwncmr SG2	One	0(5)	0(5)	59-1	99-1496	99-1507		Ingn av v. r=
<u> </u>			ļ	<u> </u>		59-2	01-1641	01-1531		PSE (Vol is RT)
<u> </u>			 		 	59-12	99-1292	99-1232		+
<u> </u>	├					59-13	99-1293	99-1232		
						.59-16	99-1290	99-1198		DCE
	l						01-1512	01-1231		PSE
	1				i .		01-1514 01-1516	ļ		
	├		-		\vdash	50.164		00 1100		
						59-16A	99-1291	99-1198		Dec
							01-1513 01-1515	01-1231		PSE
							01-1517	}		
	L	<u> </u>	ı		لــــــا		1 01-1317			1

ASME Item no	Zone	Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
ACCIII IIU				req	Comp	59-6	01-1417 01-1419 01-1421	01-1375		PSE
						59-35	01-1424	01-1375	 .	PSE
						•	01-1420 01-1422 01-1425	ļ		
				•		59-36	01-1423 01-1426 01-1527	01-1375		PSE
			Two	1(1)	1(1)	59-12		MT-02-197		Now C 5.11
						59-13	UT-04-066	MT-02-198		AUG (IEB 79-13)
						59-25	UT-02-151 UT-02-152	MT-02-160		
			Three	4	4	61-14	UT-05-189			*
						61-15	UT-05-190			
	 		+			61-16	UT-05-191	 		ļ
			Three	0	0	61-17 64-1	UT-05-192 RT-05-021	MT-05-143		PSE
			Three		"	64-30	RT-05-021	MT-05-143		PSE
	65	Blowdown SG 2	One	1	1	65-28	01-1243	01-1003		
			Two	1	1	65-52	UT-02-153 UT-02-154	MT-02-159		
			Three	0	0	65-1	RT-05-023	MT-05-145		PSE
						65-28	RT-05-024	MT-05-146		PSE
C 6.10		HPSI Pump A		nd of int		116-2		01-1473		
		HPSI Pump A		nd of int		117-1		PT-04-033		
C6.20	49	MS (East) SG2	Three	1	1	V554		MT-05-132		
ļ	86	SD Cooling HX B	Three	1	1	V556 V464		MT-05-133 PT-05-046		
		East Wrap	Three	1	1	V656		PT-05-048		· · · · · · · · · · · · · · · · · · ·
		HPSI A	Three	1	1	V404		PT-05-054		<u> </u>
		HPSI B	Three	1	1	V478		PT-05-055		
C 7.10	1	Pressure Vessels	One	All	All	Press Bound		1	01-1011	
C 7.30		Piping							01-1012	
C 7.50		Pumps							01-1013	
C 7.70		Valves						1	01-1014	
									01-1312 01-1317	
									01-1318	
									01-1319	-
			ļ l						01-1320	
									01-1321	
					-				01-1323 01-1324	i i
									01-1324	
					1				01-1325	
}									01-1432	
1]								01-1436	
									01-1437	
									01-1440	
									01-1441 01-1443	
									01-1443	
									01-1445	
									01-1485	
									01-1486	
									01-1496 01-1504	
1	l .	l	1	l			l		01 1504	

ASME Item no	Zone	Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
ACCIII IRO	 		rer	wed	Сопір				01-1507	
									01-1508	·
									01-1509	
									01-1536 01-1537	
									01-1537	
									01-1539	
									01-1557	
									01-1597	
									01-1615	·
									01-1625	
		•							01-1626 01-1627	
									01-1629	
									01-1630	
1									01-1631	
<u> </u>									01-1632	
-									01-1633 01-1634	
									01-1634	
									01-1636	
									01-1638	
									01-1642	
								·	01-1644	
1						'			01-1645	
1						•]	01-1646 01-1647	
İ									01-1648	
1									01-1649	
ł									01-1650	
									01-1653	
									VT-03-001 VT-03-002	
									VT-03-002 VT-03-003	•
									VT-03-005	
										·
			Two	ALL	ALL	Press Boundary			VT-03-004	
									VT-03-006	
						•			VT-03-007	
									VT-03-008	
									VT-03-009	
									VT-03-010 VT-03-011	
									VT-03-011	·
									VT-03-013	
									VT-03-015	
									VT-03-016	
1									VT-03-017 VT-03-018	
									VT-03-018 VT-03-019	
									VT-03-019	
									VT-03-021	
İ									VT-03-022	
]	VT-03-023	•
									VT-03-024	
								1	VT-03-025 VT-03-026	
									VT-03-026 VT-03-027	
									VT-03-028	
							,		VT-03-029	
									VT-03-030	
		,							VT-03-031	
									VT-03-032	
Щ.			<u> </u>	L	<u> </u>		,	L		<u> </u>

ASME Itom no	Zone	Comp/Sys	Insp	Amt	Amt	Item ID	Vol	Reports Surf	Visual	Remarks
Item no	 		Per	Req	Comp	A s	* 2:		VT-03-033	
								1	VT-03-034	
									VT-03-035	
1						·			VT-04-335	
									VT-04-336	
		•							VT-04-337	
									VT-04-343	
					1 1]	VT-04-345	
								1	VT-04-346	
	i i								VT-04-348	
				1					VT-04-349	
								1	VT-04-350	
1 .]	VT-04-351	İ
1									VT-04-352	
1								1	VT-04-353	
									VT-04-354	
1								1	VT-04-355	
1									VT-04-356	
								·	VT-04-357	
									VT-04-358	1
									VT-04-359	
									VT-04-362	
									VT-04-364	
			i						VT-04-365	·
									VT-04-366	
									VT-04-368	
				ļ					VT-04-368 VT-04-369	
				}					VT-04-309 VT-04-370	
									VT-04-370 VT-04-371	ļ
				1					VT-04-371 VT-04-374	
			!		1				VT-04-374 VT-04-375	
						'			VT-04-373	
									VT-04-377	
									VT-04-382 VT-04-383	
į.									VT-04-383 VT-04-384	
									VT-04-384 VT-04-385	
					,				VT-04-383 VT-04-392	
			ŀ							
									VT-04-409	
			ŀ						VT-04-411	
			ļ						VT-04-412	
									VT-04-419	
		,	ľ						VT-04-420	
	ļ	·	L							
			Three	All*	*	Press Bound				* Period requirement - partial
			1	l						Code Case N-498-4, RR 12, 15, 16.
			l							Re-exam / evaluation per Relief
			1	l						Request 12
1									VT-07-034	
ŀ			1	l						Re-exam Acc. 07-VT-1195
										Re-exam Acc. 07-VT-1179
			1	l						Re-exam Acc. 07-VT-1179
l '										Acc. by RR 12 evaluation
			1	l					07-VT-1074	
									07-VT-1077	
1			1	l					07-VT-1089	
]	07-VT-1090	
1			1	l					07-VT-1092	
	,								07-VT-1099	·
1			1	l]	07-VT-1101	ĺ
	1								07-VT-1102	
}			1			•			07-VT-1103	
	1							1	L	<u> </u>

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ASME Item no	Zone	Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
Item no	 		rer	Keq	Comp				07-VT-1105	·
									07-VT-1106	
									07-VT-1107	
									07-VT-1109	
									07-VT-1162	
									07-VT-1163	
[ĺ							[07-VT-1166	
									07-VT-1167	
									07-VT-1178	Rej. Ref. 07-VT-1038 & 1042.
									07-VT-1180	1030 & 1042.
									07-VT-1181	
										Rej. Ref. 07-VT-1193.
									07-VT-1183	_
					1				07-VT-1184	
										Rej. Ref. 07-VT-1192
								1	07-VT-1186	
		1]		Rej. Ref. 07-VT-1196 & 1198
									07-VT-1189	
1	1							1	07-VT-1190	
]	07-VT-1191	Re-exam Acc. 07-VT-1185
1	1					-				Re-exam Acc. 07-VT-1182
									07-VT-1194	Lee Caum rece or - v 1 - 1 102
		ļ]		Rej. Ref. 07-VT-1016
										Re-exam Acc. 07-VT-1188
										Re-exam Acc. 07-VT-1188
									07-VT-1204	
									07-VT-1206	VT-2 and bolt removal.
									07-VT-1209	
									07-VT-1211	
									07-VT-1221	
F 1.20	43	MS SG 1 90	One	2	2	SG-36-H17			99-1240	
1 1.20	+ 73	1413 30 1 70	One			SG-36-H884			99-1242	
	1					SG-36-H885		-	99-1241	
			Two	1	1	SG-36-H11				RR #4
	1		Three	2	2	SG-36-H11			VT-05-546 VT	AUG RR#4
1									05-1150	PSE
	1			<u> </u>		SG-36-H16			VT-05-547	RR#4
						SG-36-H17			VT-05-548	RR#4
F 1.20	43	MS SG 1 90	Three	2	0	SG-36-H11			VT-06-752	AUG RR 4
				ľ			·		07-VT-1148	
									07-VT-1177	
				<u> </u>	<u> </u>				07-VT-1203	
						SG-36-H16			07-VT-1177	
	 			<u> </u>		SG-36-H885			07-VT-1177	Expansion
	44	MS SG1 270	One	2	2	SG-33-H17			99-1278	
<u> </u>	-		1			SG-33-H18	ļ		99-1243	Support Deleted
	1	 	Two	3	3	SG-33-H16		 -		RR #4
	1					SG-33-H881		-		RR #4
	+	 		 	 	SG-33-H882				RR #4
			Three	1	1	SG-33-H11			VT-05-549 07-VT-1149	RR#4
									07-V1-1149 07-VT-1177	
			1						07-VT-11/7 07-VT-1203	
	 		+	 	 	SG-33-H16	 	-	VT-05-550	AUG RR#4
				l		50-55-1110	· .		07-VT-1177	
	1		1	 	<u> </u>	SG-33-H17	 	 	VT-05-551 VT	
1			1	1		30 33 1117		1		PSE, RR #4
	1		+	\vdash		SG-33-H882	 	l	07-VT-1177	
	45	MS SG 2 270	One	1	1	SG-42-H14		 	99-1244	
	1		Two	3	. 3	SG-42-H11		-		RR #4
	 		1	᠆	 	SG-42-H15	<u> </u>	 		RR#4, Removed
——	 		+	 	-	SG-42-H16		 		RR#4
L		<u> </u>		1	i .	55-72-1110	ı	I	41-04-013	I I I I I I I I I I I I I I I I I I I

ASME Item no	Zone	Comp/Sys	Insp Per	Amt Reg	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
			Three	3	1	SG-42-H-11			VT-05-552	AUG RR#4
								,	07-VT-1150	Aug Reject - WO 3021090
								1	07-VT-1177	Aug
									07-VT-1203	
						SG-42-H-16				AUG RR#4
								<u> </u>	07-VT-1177	
		•				SG-42-H-17			VT-05-554	RR#4
						SG-42-H891			07-VT-1177	Expansion
	46	MS SG 2 90	One	2	2	SG-45-H17			99-1441	
						SG-45-H18			99-1463	Support Deleted
			Two	3	3	SG-45-H11			VT-02-691	RR #4
						SG-45-H887			VT-02-689	RR #4
						SG-45-H888			VT-02-692	RR #4
			Three	1	1	SG-45-H-11			VT-05-555	AUG RR#4
			1						07-VT-1151	Aug. Reject - WO 3022219
									07-VT-1177	Aug
				1					07-VT-1203	PSE
						SG-45-H-16			VT-05-556	RR#4
									07-VT-1177	
			1		 	SG-45-H-17		1	VT-05-557	<u> </u>
									VT-05-1155	1
			†		t	SG-45-H-888				Expansion
	47	MS SG1 270	One	1	1	SG-206-H1		†	99-1318	
		MS SG1 270	Two	1	1	SG-207-H1			VT-04-016	
		MS (East) SG	Three	1	1	SG-208-H1	,	<u> </u>	VT-05-674	RR #4
	50	MS (West) SG	Three	1	1	SG-209-H1		†	VT-05-675	
	51	Atm Dump SG1	One	1	1	SG-59-H6	•	 	99-1575	· · · · · · · · · · · · · · · · · · ·
		Titin Dunip 001	Two	1	1	SG-70-H6			VT-04-017	
\vdash	52	Atm Dump SG2	One	0	1	SG-103-H6		-	01-1566	PSE
	32	Aini Dunip 302	Three	2	1	SG-84-H6		1	VT-05-676	I SE
\vdash	53	Steam to Aux FW	One	4	4	SG-81-H1			99-1679	
	33	Steam to Aux rw	One	 		SG-81-H2		 	99-1679	
	<u> </u>		 				•	-	99-1681	
	 					SG-83-H1			99-1682	
			 	<u> </u>		SG-83-H2				C (D1)
<u> </u>			Two	2	2	SG-81-H4			VT-02-602	Support Deleted
			<u> </u>			SG-83-H4		-	VT-02-603	Support Deleted
			Three	2	2	SG-81-H1		1	VT-05-677	
						SG-81-H3			VT-05-1156	
			<u> </u>			SG-83-H3			VT-05-678	
	54	Feedwater SG 1	One	7	7	SG-2-H2			01-1602	Expansion
				ļ		SG-2-H4			01-1022	
						SG-2-H5			01-1021	
		*	ŀ			SG-2-H12			01-1062	Reject
									01-1603	Re-exam
				<u> </u>		SG-2-H13			01-1020	
			1			SG-2-H14			01-1019	
						SG-2-H15			01-1018	
						SG-2-H803			01-1025	
						SG-13-H1			01-1612	Expansion
,			Two	7	7	SG-2-H09			VT-04-018	RR#4
						SG-2-H10			VT-04-019	RR#4
			-			SG-2-H11			VT-04-020	RR#4
						SG-2-H806			VT-04-021	
						SG-2-H811			VT-04-022	RR#4
						SG-13-H1		1	VT-04-023	RR#4
						SG-13-H802			VT-04-024	RR#4
	7.5	Feedwater SG 2	One	9	9	SG-5-H9			01-1173	
	55				-	SG-5-H10		1	01-1174	
	22									
	55			<u> </u>	 			· ·		
	55					SG-5-H11			01-1175	
	33					SG-5-H11 SG-5-H12			01-1175 01-1036	PSE
	33					SG-5-H11			01-1175	PSE

ASME Item no	Zone	Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
			<u> </u>			SG-5-H812	-		01-1039	
						SG-14-H1			01-1034	
			<u> </u>			SG-14-H804			01-1035	
\longrightarrow			Two	7	7	SG-5-H4		ļ <u></u>	VT-02-559	
						SG-5-H5			VT-02-560	Reject
			 	-		60.5.116		1	VT-02-656	Re-exam
	<u> </u>			<u> </u>		SG-5-H6			VT-02-561	RR #4
\longrightarrow	<u> </u>			 	-	SG-5-H7		 	VT-02-562	DD #4
\longrightarrow						SG-5-H8 SG-5-H13			VT-02-564 VT-02-563	RR #4
				l	1	20-2-113			VT-02-363 VT-02-657	Reject Re-exam
	 		 	-		SG-5-H14		1	VT-02-565	Re-exam
	56	FW SG1	Two	1	1	SG-202-H1		1	VT-04-025	
		Feedwater SG 2	Three	1	1	SG-205-H2		 	VT-05-679	
$\overline{}$	58	Aux & Dwncmr SG1	One	7	7	SG-8-H2	•	1	01-1604	
					 	SG-8-H3		· · · · · · · · · · · · · · · · · · ·	01-1606	
			1			SG-8-H4			01-1608	
				t T		SG-8-H5			01-1607	
$\overline{}$	l			t	1	SG-8-H20			01-1609	
			1			SG-8-H901		<u> </u>	01-1448	
	1			1		SG-8-H903			01-1605	
			Two	7	7	SG-8-H6				RR #4
			Î			SG-8-H7			VT-02-449	RR #4
				Î		SG-8-H8		<u> </u>	VT-02-451	Reject
		,							VT-02-649	Re-exam
			1			SG-8-H9			VT-02-452	
						SG-8-H10			VT-02-453	
						SG-8-H11			VT-02-454	
						SG-8-H17			VT-02-519	RR #4
	59	Aux / Dwncmr SG2	One	6	6	AF-6-H1			99-1261	
						SG-11-H8			99-1201	
				1		SG-11-H9			99-1246	
	<u> </u>					SG-11-H10			99-1245	
			ļ	!		SG-11-H11			99-1200	
]			SG-11-H12			99-1199	·
			 			60 11 772			99-1332	DOD.
			Two	6	6	SG-11-H3		ļ		PSE
	· .		1			SG-11-H13		-	VT-02-566 VT-02-567	
	<u> </u>	ļ	 	-		SG-11-H14		<u> </u>		
	<u> </u>		┼			SG-11-H15 SG-11-H16			VT-02-568 VT-04-026	
			 	<u> </u>		SG-11-H17				DD#4 DCE
			+	_	 	SG-11-H17 SG-11-H18		 	VT-04-408 VT-02-455	RR#4, PSE
		· · · · · · · · · · · · · · · · · · ·	 		 	SG-11-H19			VT-02-433	
F 1.20	59	Aux / Dwnemr SG2	Three	10	 	SG-11-H4		 		PSE
	60	Dwncmr FW SG1	One	1	1	SG-200-H9			99-1668	
	- 50	DAUGHT LAS 201	1 One	 		SG-200-H13		-	99-1669	PSE
·	 		1	 		SG-200-H13		 	99-1670	PSE
			Three	2	2	SG-200-H9		 	VT-05-680	
	 		1			SG-200-H9		-	VT-05-681	
	\vdash		 	 		SG-200-H14		+	VT-05-682	
	61	Dwncmr FW SG2	One	0	0	SG-203-H13		 	99-1671	PSE
	<u>,,</u>		† · · · ·	 	 	SG-203-H14		 	99-1672	PSE
			Two	2	2	SG-203-H13		1	VT-04-027	
		ļ	 	١Ť	<u> </u>	SG-203-H14		 	VT-04-027	
]							-	 	VT-05-683	
			Three	1	1	SG-203-HX				
	62	Aux FW SG1	Three One	1		SG-203-H8 AF-4-H3				
	62	Aux FW SG1	Three One Two		1 1	AF-4-H3			99-1461	
	62	Aux FW SG1	One	1	1					
	62	Aux FW SG1	One Two	1	1	AF-4-H3 AF-18-H1			99-1461 VT-04-042	
	62	Aux FW SG1 Aux FW SG2	One Two	1	1	AF-4-H3 AF-18-H1 AF-18-H2			99-1461 VT-04-042 VT-05-684	

ASME Item no	Zone	Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
			Two	2	2	AF-6-H3			VT-04-043	RR#4
						AF-6-H5			VT-04-044	RR#4
			Three	1	1	AF-6-H4			VT-05-686	
	64	Blowdown SG 1	One	12	12	SG-39-H10			01-1449	
						SG-39-H11			01-1450	Support Deleted
						SG-39-H12			01-1451	
			<u> </u>			SG-39-H13			01-1452	Support Deleted
						SG-39-H14	: 		01-1453	Support Deleted
						SG-39-H15	*		01-1454	
						SG-39-H16			01-1455	
						SG-39-H17			01-1456	Support Deleted
						SG-39-H26			01-1457	
						SG-53-H1			01-1031	Support Deleted
			1			SG-53-H2			01-1032	Support Deleted
·						SG-53-H924			01-1033	
			Two	13	13	SG-39-H1			VT-02-480	Support Deleted
						SG-39-H2			VT-02-481	Support Deleted
						SG-39-H3			VT-02-482	Support Deleted
						SG-39-H4			VT-02-483	
						SG-39-H5			VT-02-484	
						SG-39-H6			VT-02-485	Support Deleted
	I					SG-39-H27			VT-02-486	Support Deleted
						SG-53-H3			VT-02-488	Support Deleted
			1			SG-53-H4			VT-02-489	
						SG-53-H5			VT-02-490	
			1			SG-53-H6			VT-02-491	Support Deleted
	1				·	SG-53-H7			VT-02-492	Support Deleted
						SG-39-H922			VT-04-029	RR#4
			Three	5	0	SG-39-H38			VT-05-687	PSE
	65	Blowdown SG 2	One	12	12	SG-48-H2		 	01-1030	Support Deleted
		210112011110	1			SG-48-H3			01-1478	Support Deleted
	1					SG-48-H4			01-1479	Support 24-00-0
	 				<u> </u>	SG-48-H19	,	 	01-1480	Support Deleted
						SG-48-H20			01-1481	Support Deleted
			+			SG-48-H21			01-1482	Support Beleton
	 					SG-48-H925			01-1432	-
	 	,	+			SG-52-H1		<u> </u>	01-1026	Support Deleted
	 	**	1			SG-52-H2		+	01-1027	Support Deleted
	 		+			SG-52-H3				Support Deleted
						SG-52-H4			01-1484	Support Deleted
	<u> </u>					SG-52-H923			01-1028	
		-	Two	11	11	SG-48-H13		 		Support Deleted
	-		1 WU	11	11	SG-48-H14		 	VT-02-456 VT-02-457	RR #4
	<u> </u>					SG-48-H15		 	VT-02-457 VT-02-458	Support Deleted
	├		+			SG-48-H15 SG-48-H16		 	VT-02-458 VT-02-459	RR #4
	 		+			SG-48-H16 SG-48-H17		 		
	 		 					 	VT-02-460 VT-02-461	Support Deleted
			+			SG-48-H18		 		RR #4
	 		 			SG-48-H22		 	VT-02-462	Support Deleted
	-		+			SG-48-H23				RR #4
			+			SG-48-H24			VT-02-464	RR #4
	 				 	SG-48-H25			VT-02-465	Support Deleted
	(0	Daman III. ak	T			SG-48-H26			VT-02-466	Support Deleted
	68	Regen Htexch	Two	2	2	68-10			VT-02-590	
	70	r por o	+			68-11			VT-02-591	
	70	LPSI Suction A	One	1	1	SI-67-H4		 	99-1248	
	Ь—		<u> </u>			SI-307-H16			99-1428	PSE
	<u> </u>	,	Three	4	4	SI-241-H20			VT-05-694	RR #4
						SI-241-H22			VT-05-695	Removed
						SI-307-H16			VT-05-696	RR #4
						SI-307-H17			VT-05-697	
				1 1	1	SI-87-H11	I	1	99-1247	I
	71	LPSI Discharge A	One	1	1	31-07-1111			99-1247	

ASME Item no	Zone	Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	. Vol	Reports Surf		Remarks
			Two	5	5	SI-78-H1			VT-02-541	
						SI-78-H2			VT-02-542	
						SI-87-H1	2- 5 M-8		VT-02-543	
						SI-87-H2			VT-02-544	
						SI-87-H3			VT-02-545	
			Three	1	1	SI-78-H3			VT-05-698	RR #4
	73	LPSI Suction B	Two	1	1	SI-308-H14			VT-02-546	
			Three	4	4	SI-34-H4			VT-05-699	RR #4
						SI-194-H1			VT-05-700	RR #4
			1			SI-308-H12			VT-05-701	RR #4
						SI-308-H13			VT-05-702	RR #4
	74	LPSI B	Three	6	6	SI-129-H1	i		VT-05-703	RR #4
-	†					SI-129-H2	-	 	VT-05-704	RR #4
	 					SI-129-H3		 	VT-05-705	RR #4
						SI-129-H4			VT-05-706	RR #4
	<u> </u>		+			SI-129-H5		 	VT-05-707	TGC // 1
	-					SI-129-H6		 	VT-05-708	
	76	CS Suction A	One	1	1	SI-9-H4			99-1376	
	′°	CS Sacrion V	- One	1	1	51-7-114	1		99-1376 99-1438	1
			+			01.67.111	 	 		ner
	 		+		\vdash	SI-67-H1	 		99-1427	PSE
	├		 			SI-67-H3	 	 	99-1426	PSE
			Three	3	3	SI-67-H1			VT-05-709	
	ļ					SI-67-H2			VT-05-710	
						SI-67-H3			VT-05-711	
	77	CS Discharge A	One	4	4	SI-79-H1	, ,		99-1377	
	<u> </u>	<u> </u>				SI-79-H2			99-1378	
						SI-79-H3			99-1379	
						SI-79-H4			99-1380	
			Two	3	3	SI-79-H5			VT-04-033	RR#4
						SI-79-H6			VT-04-034	RR#4
						SI-82-H2			VT-04-035	RR#4
			Three	3	3	SI-79-H7			VT-05-712	RR #4
						SI-79-H8			VT-05-713	RR #4
						SI-79-H9			VT-05-714	
	79	CS Suction B	One	3	3	SI-79-H4			99-1517	
						SI-34-H2	 		99-1518	
	 	— ———				SI-34-H3			99-1519	
			Two	i		SI-33-H4		 	VT-04-039	
	_	<u></u>	Three	2	2	SI-34-H5			VT-05-715	
	┼		111100	-	-	SI-34-H6			VT-05-716	DD #4
	90	CC Discharge D	0	-	,					RR #4
	80	CS Discharge B	One	3	3	SI-119-H7		 	99-1527	
	 		-			SI-119-H8			99-1528	
			+			SI-119-H9		 	99-1529	DD //4
			Two	4	4	SI-119-H1		 	VT-04-040	RR#4
						SI-119-H2	ļ		VT-04-041	RR#4
	<u> </u>					SI-119-H3			VT-04-045	RR#4
						SI-119-H4			VT-04-046	RR#4
		l <u> </u>	Three	3	3	SI-119-H5			VT-05-717	
						SI-119-H6	L		VT-05-718	RR #4
						SI-147-H1			VT-05-719	RR #4
	82	SD Cooling HX A	One	2	2	SI-78-H4	I		99-1296	T
		1				SI-78-H5		1	99-1595	
	1								01-1564	PSE
	—	· · · ·				SI-79-H10	1		99-1297	1
			1				[01-1458	1
	 	 - 	Three	1	1	SI-78-H4		+	VT-05-723	RR #4
	83	SD Cooling HX A	One	4	4	SI-76-H4 SI-87-H9	 	 	99-1312	KAC 117
	1 83	3D Cooling IIA A	Olie		1	SI-87-H9 SI-89-H1	 	1	99-1312	-
	 	 	+		 		 	 		
	ļ				-	SI-89-H2	 		99-1299	
			1			SI-89-H3	ļ	 	99-1298	
	—	ļ -	Two	3	3	SI-87-H4	ļ	_	VT-04-047	
	<u> </u>	<u> </u>				SI-90-H1	L		VT-04-320	

ASME Item no	Zone	Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
			1 1	2100	Comp	SI-90-H2			VT-04-321	RR#4
			Three	12	12	SI-70-H1			VT-05-724	
						SI-70-H2	٠.,		VT-05-726	RR #4
						SI-70-H3 '			VT-05-727	RR #4
						SI-70-H6			VT-05-728	
						SI-70-H7			VT-05-729	
						SI-82-H1			VT-05-730	RR #4
						SI-87-H5			VT-05-731	RR #4
						SI-87-H6			VT-05-732	RR #4
						SI-87-H7			VT-05-733	RR #4
						SI-87-H8			VT-05-734	RR #4
						SI-89-H5			VT-05-735	RR #4
·						SI-90-H4			VT-05-736	RR #4
	85	SD Cooling HXB	One	3	3	SI-119-H10			99-1530	
						SI-123-H6			99-1531	
						SI-123-H7			99-1532	
			Two	6	6	SI-119-H11			VT-04-050	RR#4
						SI-119-H13			VT-04-051	RR#4
						SI-119-H14			VT-04-052	RR#4
						SI-123-H2			VT-04-053	RR#4
						SI-123-H5			VT-04-054	RR#4
						SI-123-H8			VT-04-055	RR#4
			Three	1	1	SI-123-H1			VT-05-737	RR #4
	86	SD Cooling HXB	One	3	3	SI-129-H10	·		99-1406	
	1					SI-129-H11			99-1405	
,						SI-129-H12		1	99-1407	
	<u> </u>		Two	7	7	SI-072-H5		1	VT-04-056	
						SI-072-H6				RR#4
	<u> </u>					SI-129-H7			VT-04-058	RR#4
						SI-129-H8				RR#4
	1					SI-129-H9			VT-02-672	Expansion, RR #4
						SI-135-H1	· · · · · · · · · · · · · · · · · · ·		VT-02-675	Expansion, RR #4
	i e					SI-135-H2			VT-04-060	RR#4
	1					SI-135-H3		·	VT-04-061	
	T .		Three	15	15	SI-72-H1			VT-05-738	RR #4
	† · · · · ·					SI-72-H2	<u> </u>		VT-05-739	RR #4
	İ					SI-72-H3	·		VT-05-740	RR #4
	i					SI-72-H4			VT-05-741	RR #4
	1					SI-72-H12			VT-05-742	
	†		—			SI-129-H9				RR #4
	1		1			SI-129-H13				RR #4
			<u> </u>			SI-134-H1				RR #4
	1		1			SI-134-H2				RR #4
<u> </u>	1		1	 	<u> </u>	SI-134-H3			VT-05-747	
	 	i				SI-134-H5	1			RR #4
						SI-134-H6	1			RR #4
	1					SI-134-H7				RR #4
						SI-134-H8	İ		VT-05-751	RR #4
	1					SI-147-H2			VT-05-752	RR #4
	88	East Wrap	One	8	8	SI-72-H11			99-1533	
	1	1				SI-72-H13			99-1534	
						SI-72-H14			.99-1535	
	1		1			SI-72-H21	i		01-1333	
			1			SI-72-H22			01-1334	
	1					SI-73-H1			01-1459	
	†=====	1	+ -	 	 	SI-73-H2			01-1460	
			+			SI-73-H3			01-1461	
	I		Two	0	0	SI-72-H11				Expansion, RR #4
 	t		 	Ť	Ť	SI-72-H13			VT-02-686	Expansion, RR #4
	 		 	 		SI-72-H14			VT-02-687	Expansion, RR #4
	t		1	 -		SI-73-H2			VT-02-688	Expansion, RR #4
<u> </u>	†		Three	6	6	SI-72-H15				RR #4
	ь	L					L	1		1

ASME Item no	Zone	Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf		Remarks
						SI-72-H16			VT-05-754	RR #4
		,				SI-72-H17			VT-05-755	RR #4
			1			SI-72-H18	A Carpina		VT-05-756	RR #4
						SI-72-H19			VT-05-757	
						SI-72-H20			VT-05-758	
	89	East Wrap	One	4	4	SI-194-H12			99-1536	
						SI-194-H13			99-1537	
			ļ			SI-194-H14			99-1640	
						SI-194-H23			99-1641	
		•	Two	0	0	SI-194-H13			VT-02-668	Expansion, RR #4
			Three	1	1	SI-173-H1			VT-05-759	RR #4
						SI-194-H23			VT-05-760	RR #4
	90	East Wrap	Two	2	2	SI-134-H09			VT-04-062	
						SI-134-H10			VT-04-063	
	91	West Wrap	One	7	7	SI-70-H9			99-1255	
	<u> </u>		 			SI-70-H10			99-1254	
	 		1			SI-70-H11			99-1253	
		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	 			SI-70-H12		ļ	99-1252	
			1			SI-70-H13		\vdash	99-1249	
			 			SI-70-H15			99-1251	
		<u> </u>	 			SI-70-H16			99-1250	
			Two	2	2	SI-71-H2			VT-04-064	
			771			SI-71-H3			VT-04-065 VT-05-761	
· · · ·	- 02	31/4 31/	Three	1	1	SI-70-H14				P .
	92	West Wrap	One	5	5	SI-239-H1			99-1673	Expansion
					ļ	SI-239-H2			99-1674	Expansion
	l	,				SI-239-H3			99-1598	nor
	 					C1 241 110			01-1565	PSE
	├					SI-241-H9	1		99-1418	PSE
					 	SI-241-H12 SI-241-H14			99-1417	PSE
	 		+		 				99-1419	PSE
			1	-		SI-241-H15 SI-241-H21	ļ		99-1597 99-1596	
	 		Two	5	5	SI-241-H21			VT-02-653	Expansion, RR #4
	 		1 W U	3	-	SI-241-H12			VT-02-654	Expansion, RR #4
	 					SI-241-H14			VT-02-658	Expansion, RR #4
						SI-241-H21			VT-02-660	Expansion, RR #4
						SI-239-H1			VT-04-066	CAPAIISION, KK #4
	 		 			SI-239-H2			VT-04-067	
	 		·		 	SI-241-H11				RR#4
	-		1			SI-241-H16			VT-04-069	I I I I I I I I I I I I I I I I I I I
			Three	2	2	SI-2-H1			VT-05-762	Removed
	<u> </u>		1		<u> </u>	SI-2-H5	 	 	VT-05-763	Removed
	93	West Wrap	Two	2	2	SI-89-H10			VT-04-070	RR#4
			1	_	<u> </u>	SI-89-H13	<u> </u>	 	VT-04-070	
	 		Three	2	2	SI-89-H11	<u> </u>	 	VT-05-764	
					<u> </u>	SI-89-H12			VT-05-765	
	94	LPSI A	One	3	3	SI-89-H7			99-1398	
			1			SI-89-H8			99-1399	
	1					SI-89-H9			99-1400	
		***************************************				SI-241-H5			99-1302	PSE
						SI-241-H7	ĺ		99-1423	PSE
						SI-241-H8	L		99-1421	PSE
			Two	7	7	SI-070-H4			VT-02-589	
						SI-070-H5			VT-02-697	
			Ī			SI-070-H8			VT-02-495	
			I			SI-241-H6	ĺ			RR #4
						SI-241-H7			VT-02-642	RR #4
						SI-241-H08			VT-04-072	RR#4
	L_					SI-241-H17		1	VT-04-073	RR#4
			Three	5	5	SI-89-H6			VT-05-766	
						SI-241-H2				RR #4

ASME Item no	Zone	Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
						SI-241-H3			VT-05-768	RR #4
		-				SI-241-H4			VT-05-769	RR #4
			,			SI-241-H5.	·		VT-05-770	RR #4
	95	LPSI B	One	6	6	SI-72-H8			99-1401	
						SI-72-H10			99-1402	
						SI-134-H11			99-1403	
						SI-134-H12			99-1404	
						SI-194-H3			99-1414	
						SI-194-H5			99-1415	
			Two	10	10	SI-72-H10			VT-02-644	Expansion, RR #4
						SI-194-H5			VT-02-650	Expansion, RR #4
						SI-072-H7			VT-04-074	RR#4
						SI-072-H9			VT-04-075	RR#4
						SI-194-H4			VT-04-076	RR#4
						SI-194-H7			VT-04-077	RR#4
						SI-194-H8			VT-04-078	RR#4
						SI-194-H9			VT-04-079	RR#4
						SI-194-H10			VT-04-080	RR#4
						SI-194-H11			VT-04-081	RR#4
						SI-194-H15			VT-04-082	RR#4
						SI-194-H21			VT-04-083	RR#4
			Three	3	3	SI-134-H4			VT-05-771	
		• "				SI-194-H2			VT-05-772	
						SI-194-H6			VT-05-773	
	96	LPSI to Loop 1A	One	3	3	SI-202-H7			99-1342	
						SI-202-H8			99-1343	Support Deleted
				i		SI-202-H9			99-1344	Support Deleted
			Two	8	8	SI-202-H1			VT-02-670	Expansion
		*****.				SI-202-H2		1	VT-02-467	RR #4
						SI-202-H3			VT-02-468	RR #4
						SI-202-H4			VT-02-469	Reject
									VT-02-651	Re-exam
						SI-202-H6			VT-02-470	RR #4
						SI-202-H7		1	VT-02-671	Expansion
						SI-202-H10		<u> </u>	VT-02-471	Support Deleted
		·				SI-202-H11		† · · · · · · · · · · · · · · · · · · ·	VT-02-472	Support Deleted
						SI-202-H12		<u> </u>	VT-02-673	Expansion
						SI-202-H15				RR #4
						SI-202-H16		1		Expansion
						SI-202-H18		 	VT-02-676	Expansion
		Y				SI-202-H5		1	VT-04-084	Snubber deleted
	97	LPSI to Loop 1B	One	10	10	SI-220-H8		1	01-1468	
						SI-220-H9	·	1	99-1333	
•						SI-220-H10	·	1	99-1334	
						SI-220-H11			99-1335	Support Deleted
					T	SI-220-H12		1	99-1336	
						SI-220-H13		1	99-1337	
						SI-220-H14		<u> </u>	99-1338	Support Deleted
						SI-220-H15		1	99-1339	***
						SI-220-H19		1 · · · · · · · · · · · · · · · · · · ·	99-1340	
				<u> </u>		SI-220-H22		1	99-1341	Support Deleted
			Two	7	7	SI-220-H1		1	VT-02-444	
		*				SI-220-H5		1	VT-02-677	Expansion
						SI-220-H16		1	VT-02-446	RR #4
						SI-220-H17		1	VT-02-447	
						SI-220-H18		† 1	VT-02-448	
	7					SI-220-H20			VT-02-443	Reject RR #4
									VT-02-648	Re-exam
						SI-220-H21			VT-02-445	Support Deleted
			1		1	SI-220-H27			VT-02-678	Expansion
						SI-220-H28			VT-02-450	Support Deleted

ASME Item no	Zone	Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
						SI-155-H6			99-1328	
			Two	5	5	SI-155-H6			VT-02-679	Expansion
						SI-155-H1	Comments of the second		VT-04-085	
						SI-155-H2			VT-04-086	Snubber deleted
						SI-155-H3			VT-04-087	Snubber deleted
		,				SI-155-H4			VT-04-088	Snubber deleted
						SI-155-H7			VT-04-089	
	99	LPSI to Loop 2B	Two	5	5	SI-174-H4			VT-02-680	Expansion
						SI-174-H7			VT-02-554	Support Deleted
			1			SI-174-H8			VT-02-555	
			† <u> </u>			SI-174-H9				Support Deleted
·			<u> </u>			SI-174-H11			VT-02-681	Expansion
			 		1	SI-174-H12		 	VT-02-682	Expansion
			<u> </u>			SI-174-H13			VT-02-558	Expansion
			 		-	SI-174-H10		 	VT-04-090	RR#4
	100	LPSI Suction A	One	2	2	SI-241-H19		-	99-1330	Reject
	100	LFSI Suction A	One			31-241-1119			99-1550	Re-exam
					1				99-1642 01-1469	Re-exam Re-exam
		_	-			GY 260 TT1				Re-exam
			<u> </u>		ļ <u>. </u>	SI-369-H1			99-1331	
			Two	1	1	84-5			VT-02-696	
	101	Cont LPSI B Suction	Two	0	0	SI-194-H16			VT-02-683	Expansion
						SI-194-H22			VT-02-684	Expansion
			Three	8	1	85-5			VT-05-774	
	102	SI Suction A	One	6	6	SI-8-H4			99-1303	PSE
						S1-9-H1			99-1429	PSE
						SI-307-H2			99-1422	PSE
						SI-307-H5	1		99-1304	PSE
			 			SI-307-H6			99-1425	PSE
	1		 	<u> </u>		SI-307-H7	-	 	99-1424	PSE
-		***	 	 		SI-307-H2		 	01-1462	152
			 	-	-	SI-307-H3		 	01-1463	
			 		· · · · · · · · · · · · · · · · · · ·	SI-307-H3				Summant Deleted
						SI-307-H4 SI-307-H5			01-1464 01-1465	Support Deleted
				-			 -	1		
			 	ļ		SI-307-H8		 	01-1466	
			 	 		SI-307-H15	ļ	<u> </u>	01-1467	
			Two	7	7	SI-8-H1			VT-02-436	RR #4
			ļ	ļ		SI-8-H2		<u> </u>	VT-02-437	Support Deleted
						SI-8-H3				RR #4
						SI-8-H4	[<u> </u>	VT-02-439	
						SI-307-H6			VT-02-440	RR #4
						SI-307-H7			VT-02-441	RR #4
						SI-307-H14			VT-02-442	Support Deleted
			Three	7	7	SI-8-H5			VT-05-775	RR #4
						SI-9-H1			VT-05-776	RR #4
						SI-9-H2			VT-05-777	RR #4
				f		SI-9-H5	l	1	VT-05-778	RR #4
						SI-307-H9			VT-05-779	RR #4
				1		SI-307-H10			VT-05-780	RR #4
			1	†		SI-307-H11			VT-05-781	RR #4
	103	Refuel Suction A	One	6	6	CH-142-H3			99-1420	PSE
	1		 	 		CH-142-H13	 	 	99-1408	
	 		 	 		. CH-142-H14	 	 	99-1409	
	 		 	 		CH-142-H15	 	 	99-1409	
-	 		 	 		CH-142-H19	 	+	99-1410	
	 		-	 	ļ		 -	 		
			 _ _ 			CH-142-H22	ļ	 	99-1411	
			.	 		CH-424-H1	ļ <u> </u>	 	99-1413	l non
			 	<u> </u>		CH-424-H2			99-1386	PSE
	ļ		ļ	ļ	<u> </u>	CH-424-H3			99-1385	PSE
			Two	6	6	CH-142-H8			VT-02-504	
						CH-142-H20			VT-02-522	
						CH-142-H21			VT-02-505	
					L					

ASME Item no	Zone	Comp/Sys	Insp _Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf		Remarks
						CH-424-H3			VT-02-500	RR #4
						CH-424-H6			VT-02-521	
			Three	6	6	CH-142-H1	. *. × Z.		VT-05-782	
	,					CH-142-H2			VT-05-783	
						CH-142-H3			VT-05-784	
						СН-142-Н4			VT-05-785	
			<u> </u>			CH-142-H5			VT-05-786	Removed
						СН-142-Н6			VT-05-787	
	104	SI Suction B	One	7	7	SI-33-H1 .			99-1520	Support Deleted
						SI-33-H2			99-1521	
						SI-33-H3			99-1522	
	ļ					SI-308-H5		ļ	99-1523	
	ļ	· Y ····		`		SI-308-H8		<u> </u>	99-1524	
						SI-308-H10			99-1525	
			-			SI-308-H11			99-1526	
			Two	7	7	SI-308-H1			VT-02-547	
						SI-308-H2			VT-02-548	
						SI-308-H3			VT-02-549	
			1			SI-308-H4		 	VT-02-550	G Dila i
	_					SI-308-H6		ļ	VT-02-571	Support Deleted
			1			SI-308-H7		<u> </u>	VT-02-551	Support Deleted
						SI-308-H15			VT-04-091	DD #4
· · · · · · · · · · · · · · · · · · ·	ļ		Three	6	6	SI-31-H1		ļ	VT-05-788	RR #4
	ļ					SI-31-H2			VT-05-789	
						SI-31-H3		<u> </u>	VT-05-790	Removed
			-			SI-31-H4			VT-05-791	RR #4
						SI-31-H5			VT-05-792	RR #4
	10.5				_	SI-308-H9		1	VT-05-793	RR #4
	105	Refuel. Suction B	One	7	7	. СН-149-Н9			01-1396	
						CH-149-H10			01-1397	
			4			CH-149-H12			01-1398	
						CH-149-H13			01-1399	
						CH-149-H14			01-1400	
			-			CH-149-H21			01-1401	
			<u> </u>			CH-149-H28			01-1402	
			Two	7	7	CH-149-H4			VT-04-092	
			_			CH-149-H5	·	ļ	VT-04-093	
·			+			CH-149-H6			VT-04-094	
	_					CH-149-H7			VT-04-095	
	—		-			CH-149-H25			VT-04-096	
			+			CH-149-H26			VT-04-097	
			T	0	9	CH-149-H27 CH-149-H1			VT-04-098	
			Three	8	8	CH-149-H1 CH-149-H2		 	VT-05-794 VT-05-795	
			+			CH-149-H2 CH-149-H3		 	VT-05-796	
			1			CH-149-H3 CH-149-H8	}	 	VT-05-796 VT-05-797	
			1			CH-149-H8 CH-425-H1		<u> </u>	VT-05-797 VT-05-798	
		· .i.	1			CH-425-H6		 	VT-05-798 VT-05-799	
	 		+ -			CH-425-H7		 	VT-05-800	
			1	_		CH-425-H8	-		VT-05-800 VT-05-801	
	106	HPSI Discharge A	One	8	8	SI-99-H1		 	01-1046	
-	100	111 DI Discharge A	One	Ü	-	SI-99-H1		 	01-1046	
			+			SI-100-H1		†	01-1047	
	 		+			SI-100-H1 SI-100-H2		 	01-1048	
			1			SI-100-H2 SI-100-H3			01-1049	
<u> </u>			+			SI-100-H3 SI-100-H5		 	01-1050	
<u> </u>	 		1			SI-100-H34		 	01-1051	
					,	SI-100-H34 SI-106-H1			01-1052	
L	-		Two	7	7	SI-106-H1 SI-100-H9		ļ		
	 		I WO		'	SI-100-H9 SI-100-H10		 	VT-04-099 VT-04-100	
ļ			1			SI-100-H10 SI-100-H11		 	VT-04-100 VT-04-101	
L			1			SI-100-HT1			VT-04-101 VT-04-102	RR#4
L	<u> </u>	L				21-103-HD	l	1	v 1-04-102	INN#4

 $\mathfrak{E}(A^{p}, G) = A^{p}(\mathfrak{C})$

ASME	Zone	Comp/Sys	Insp	Amt	Amt	Item ID	Vol	Reports Surf	Visual	Remarks
Item no			Per	Req	Comp	SI 105 HG			VT 04 103	PD#4
	ļ					SI-105-HC			VT-04-103	RR#4
			1			SI-105-HD SI-105-HE			VT-04-104 VT-04-105	RR#4
			Three	7	7.	SI-100-H4	. 47.0		VT-04-103 VT-05-802	IKN#4
			111100	/	7	SI-100-H6			VT-05-802	RR #4
						SI-100-H7			VT-05-804	RR #4
			1			SI-100-H8			VT-05-805	RR #4
			 			SI-100-H15			VT-05-806	·
						SI-100-H16.			VT-05-807	
						SI-100-H36			VT-05-808	RR #4
	107	HPSI Discharge B	One	6	6	SI-107-H3			01-1057	
		<u> </u>				SI-107-H11		1	01-1056	
						SI-107-H12			01-1059	
						SI-112-HC			01-1055	
						SI-112-HG			01-1054	
						SI-112-HH			01-1058	
			Two	6	6	SI-107-H5			VT-04-106	RR#4
						SI-107 - H6			VT-04-107	
						SI-107-H7			VT-04-108	
						SI-107-H8			VT-04-109	
						SI-107-H9			VT-04-110	
						SI-107-H10			VT-04-111	
		<u>-</u>	Three	6	6	SI-107-H1			VT-05-809	RR #4
						SI-107-H2			VT-05-810	RR #4
						SI-107-H4		ļ	VT-05-811	RR #4
						SI-107-H46			VT-05-812	RR #4
						SI-107-H48			VT-05-813	RR #4
						SI-112-HD	·		VT-05-814	
	108	HPSI Discharge	One	11	11	SI-100-H22		·	99-1388	
					ļ	SI-100-H23			99-1387	
						SI-100-H24			99-1389	
	.	 	-		ļ <u> </u>	SI-100-H25			99-1390	ļ. <u></u>
			<u> </u>	-		SI-100-H26		1	99-1391	
	├ ─		1		ļ	SI-100-H27			99-1392	
	 					SI-100-H28			99-1393 99-1394	
	 					SI-100-H29 SI-100-H31		-	99-1394	
	 		_			SI-100-H31 SI-100-H32		+	99-1393	
<u> </u>	 			-	 				99-1397	
	 	1	Two	11	11	SI-100-H35 SI-100-H12				RR#4
	 		1 WO	11	111	SI-100-H13			VT-04-112	RR#4
\vdash	 		-			SI-100-H18		 		RR#4
<u> </u>	\vdash		+	-	-	SI-100-H19		 	VT-04-115	RR#4
} -	 		+	 	 	SI-100-H19		 	VT-04-116	RR#4
 	 		+	\vdash	 	SI-100-H21	 	 	VT-04-117	RR#4
	 	 	1			SI-118-HA	 	†		RR#4
	 		+	<u> </u>	1	SI-118-HB	 	†		RR#4
 	<u> </u>		1	t		SI-118-HD		1	VT-04-120	RR#4
	1		1		1	SI-118-HR		1		RR#4
		1	1	<u> </u>	†	SI-118-HS			VT-04-122	RR#4
 			Three	11	11	SI-118-HE		1	VT-05-815	RR #4
		1	 	<u> </u>		SI-118-HF	1	1		RR #4
	T		1			SI-118-HG	İ .			RR #4
	 			1		SI-118-HH		1		RR #4
	Ĭ .					SI-118-HJ	1	1	VT-05-819	RR #4
			1			SI-118-HK		<u> </u>	VT-05-820	RR #4
				<u></u>	L	SI-118-HL			VT-05-821	RR #4
						SI-118-HM			VT-05-822	RR #4
						SI-118-HN			VT-05-823	RR #4
						SI-118-HP			VT-05-824	RR #4
						SI-118-HQ			VT-05-825	RR #4
	109	HPSI Discharge	One	7	7	SI-107-H13			01-1335	

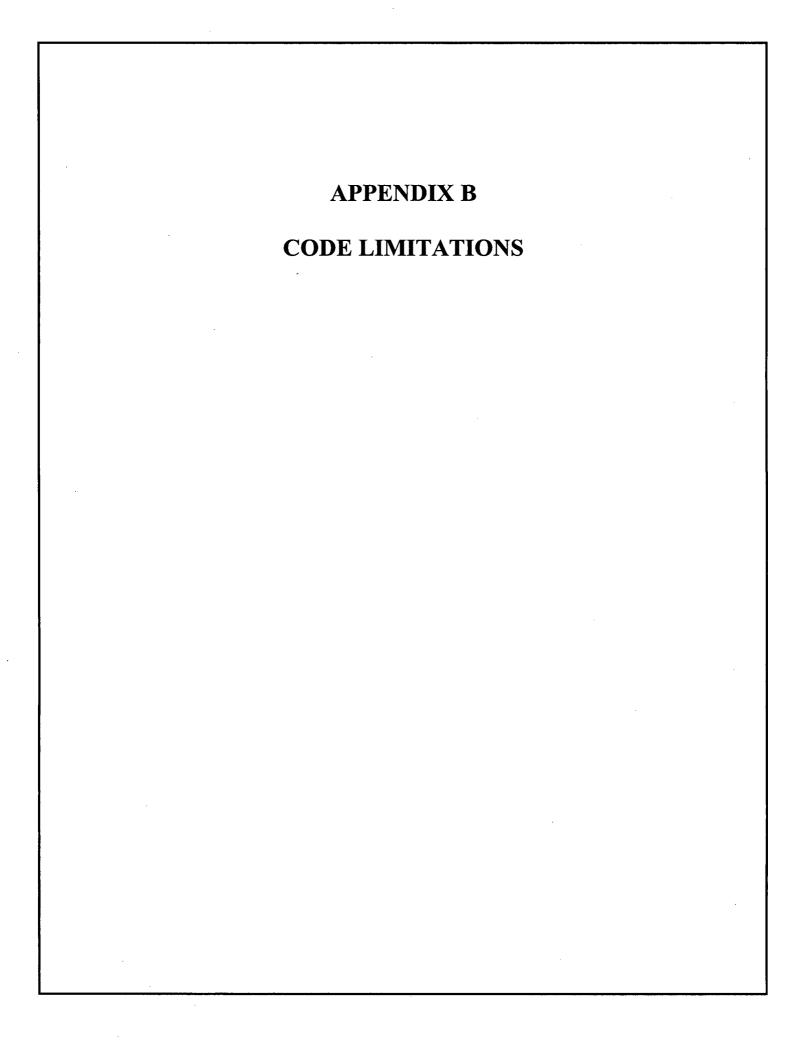
多种类型 化二氯甲

ASME Item no	Zone	Comp/Sys	Insp Per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf		Remarks
						SI-107-H14			01-1336	
						SI-107-H15			01-1337	
						SI-107-H16			01-1338	
						SI-107-H21			01-1339	
						SI-107-H47			01-1340	
						SI-107-H50			01-1341	
			Two	7	7	SI-107-H19			VT-04-123	RR#4
						SI-107-H20			VT-04-124	RR#4
			1 :			SI-107-H25.»			VT-04-125	RR#4
						SI-107-H26			VT-04-126	RR#4
				1		SI-107-H27			VT-04-127	RR#4
						SI-107-H28	ļ		VT-04-128	RR#4
						SI-107-H29			VT-04-129	RR#4
			Three	7	7	SI-107-H30			VT-05-826	
			•			SI-107-H31			VT-05-827	
						SI-107-H32			VT-05-828	
						SI-107-H34			VT-05-829	
						SI-107-H35			VT-05-830	
						SI-107-H36			VT-05-831	
						SI-107-H37			VT-05-832	
	110	HPSI Discharge	One	7	7	SI-103-HB			01-1403	
						SI-103-HD			01-1404	
	l					SI-103-HE			01-1405	
						SI-218-H1			01-1342	
						SI-218-H2			01-1343	
						SI-218-H3			01-1344	
						SI-218-H4			01-1345	
		•	Two	7	7	SI-107-H39			VT-04-130	RR#4
						SI-107-H41			VT-04-131	
						SI-107-H42		·	VT-04-132	
						SI-107-H43			VT-04-133	
	1					SI-107-H44			VT-04-134	RR#4
				***************************************		SI-107-H45		:	VT-04-135	RR#4
						SI-107-H49			VT-04-136	RR#4
	<u> </u>		Three	6	6	SI-103-HA			VT-05-833	RR #4
	1					SI-107-HA			VT-05-834	RR #4
						SI-110-HA	<u> </u>		VT-05-835	RR #4
		,				SI-218-HA			VT-05-836	RR #4
	1					SI-218-HB			VT-05-837	
	 					SI-236-HB				RR #4
	111	HPSI Discharge	One	3	3	SI-100-H37			01-1348	
		, , ,				SI-100-HA			01-1346	
			1		<u> </u>	SI-100-HB	1		01-1347	And the second state of th
		·	Two	4	4	SI-236-H1	1		VT-04-137	
		<u> </u>		<u> </u>		SI-236-H2	1			RR#4
				l	1	SI-236-H3	1		VT-04-139	RR#4
			1	l		SI-236-H4	1		VT-04-140	
			Three	. 3	3	SI-100-H30	1		VT-05-839	
	<u> </u>	1	 		1	SI-100-H38			VT-05-840	RR #4
		1	1.		i –	SI-100-H40		1	VT-05-841	RR #4
	112	HPSI Discharge	One	3	3	SI-176-H1	1		01-1349	,
	† <u> </u>		1	Ť	Ť	SI-176-H2			01-1350	,
	t	†	-			SI-176-H3	<u> </u>		01-1351	
	1		Two	3	3	SI-100-H17	 	 	VT-04-141	
	\vdash	†	+ ***	Ť	Ť	SI-100-H17	 		VT-04-141	
	+	 	+	 	 	SI-102-HB	·	 	VT-04-143	<u> </u>
`	+	 	Three	4	4	SI-102-11B SI-101-HA			VT-05-842	
	 	 	111100	 	 	SI-101-HB	 	 	VT-05-843	RR #4
	+	 		 		SI-101-HC	1	 	VT-05-844	NIV "T
	1			 	1	SI-101-HC SI-101-HD	1		VT-05-845	
	113	HPSI Discharge	One	5	5	SI-101-HD SI-107-H22			01-1061	
	1 113	or Discharge	- One	–	 	SI-107-H24			01-1060	
L		ı			<u></u>	31-107-D24	<u> </u>		01-1000	1 :

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ASME	Zone	Comp/Sys	Inen	Ams	Amt	Item ID	Vol	Reports Surf	Visual	Remarks
Item no	Zone	Comp/Sys	Insp Per	Amt Req	Amt Comp	item iv	V 01	Keports Suri	Visuai	Kemarks
						SI-157-H2			01-1352	
						SI-157-H3			01-1353	
						SI-157-H4	77. ~ . 760.		01-1354	
			Two	4	4	SI-106-HA			VT-04-144	·
			↓			SI-109-HA			VT-04-145	
						SI-157-HA		ļ	VT-04-146	
	!		- m			SI-176-HA	···	ļ	VT-04-147	DD #4
	<u> </u>		Three	4	4	SI-157-H1		ļ	VT-05-846	RR #4
			-	-		SI-157-H5 *> SI-157-H6		1	VT-05-847 VT-05-848	RR #4
		ļ				SI-157-H9		1	VT-05-849	RR #4
	115	HPSI 2A & 2B	Two	3	3	\$I-157-H10		 	VT-02-502	Support Deleted
	113	111 51 2A & 2B	1 1 1 1 1			SI-157-H11		 	VT-02-503	RR #4
-		<u> </u>				SI-176-H4			VT-02-501	RR #4
	118	HPSI A Recirc	Three	24	24	SI-106-H2			VT-05-850	
			1			SI-106-H3		i	VT-05-851	
						SI-106-H4		1	VT-05-852	
						SI-106-H5		1	VT-05-853	
						SI-106-H6			VT-05-854	
			1			SI-106-H7			VT-05-855	
						SI-106-H8			VT-05-856	RR #4
						SI-106-H9			VT-05-857	
						SI-106-H10			VT-05-858	RR #4
						SI-106-H11			VT-05-859	RR #4
						SI-106-H12			VT-05-860	RR #4
						SI-106-H13			VT-05-861	
					,	SI-106-H14			VT-05-862	
	<u> </u>					SI-106-H15			VT-05-863	
	ļ					SI-106-H16		<u> </u>	VT-05-864	
	ļ					SI-106-H18		<u> </u>	VT-05-865	
			1			SI-106-H19	•		VT-05-866	
	 		_		1	SI-106-H20			VT-05-867	
	<u> </u>		_	 		SI-106-H21		<u> </u>	VT-05-868 VT-05-869	
				 		SI-106-H22 SI-106-H23	l	 	VT-05-870	
	├		-		-	SI-106-H24	<u> </u>	 	VT-05-871	
<u> </u>	l · · · · · · · · · · · · · · · · · · ·			 	-	SI-106-H25		+	VT-05-872	
	1		- 	 	 	SI-106-H26	l	+	VT-05-873	
	119	HPSI A Recirc	Three	30	30	SI-114-H1		 	VT-05-874	
 	1117	I II STAT ROOM	111100	-30		SI-114-H2			VT-05-875	
	1			 	t	SI-114-H3			VT-05-876	
	 		1			SI-114-H4	<u> </u>		VT-05-877	
	<u> </u>			1	1	SI-114-H5		<u>† </u>	VT-05-878	
			<u> </u>			SI-114-H6			VT-05-879	
						SI-114-H7		I	VT-05-880	
						SI-114-H8			VT-05-881	
						SI-114-H9			VT-05-882	
						SI-114-H10			VT-05-883	RR #4
						SI-114-H12			VT-05-884	RR #4
						SI-114-H13			VT-05-885	
						SI-114-H14			VT-05-886	
						SI-114-H15			VT-05-887	
	ļ					SI-114-H16			VT-05-888	
<u> </u>				ļ	ļ	SI-114-H17	ļ	_	VT-05-889	
	ļ	ļ	4			SI-114-H18			VT-05-890	
	ļ	<u> </u>		 		SI-114-H21		_	VT-05-891	
ļ	 	}			<u> </u>	SI-114-H22		 	VT-05-893	
	<u> </u>			 	 	SI-114-H25	<u> </u>	 	VT-05-894	
	ļ		-}		 	SI-114-H26			VT-05-895	DD #4
	 	.		-	 	SI-114-H27			VT-05-896	RR #4
	 		-	-	1	SI-319-HA		 	VT-05-897	RR #4
L	1	l		1	<u> </u>	SI-319-HB	<u> </u>	l	VT-05-898	

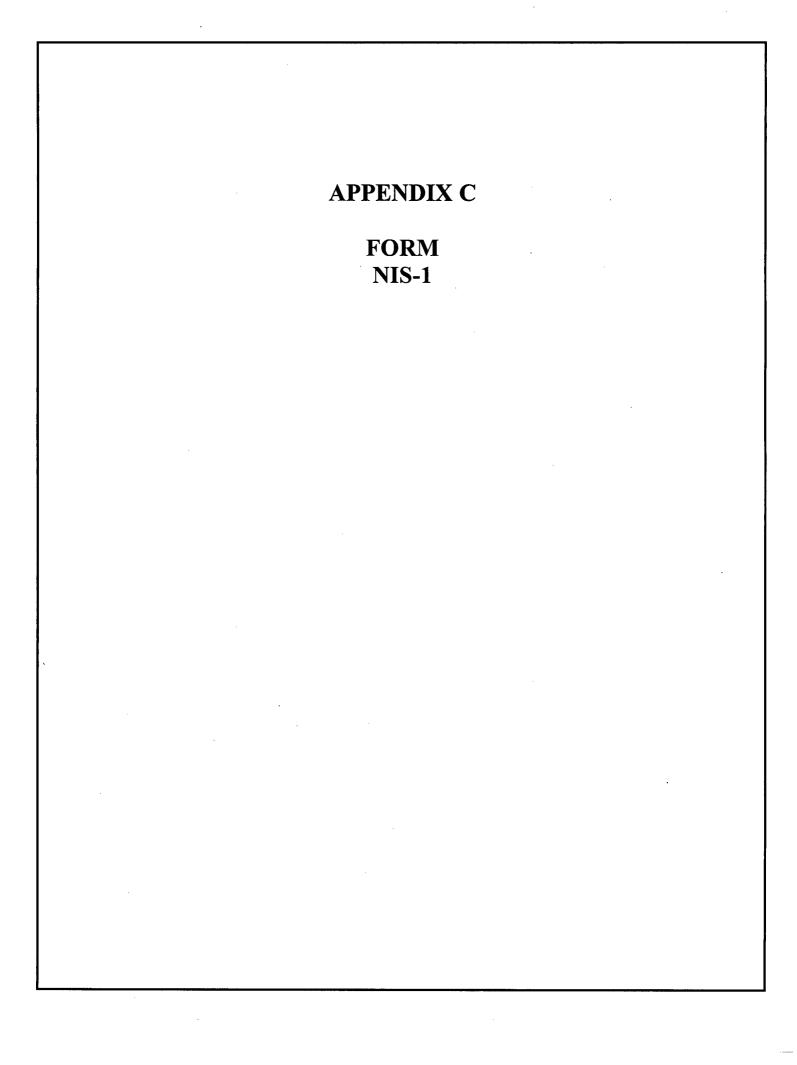
ASME	Zone	Comp/Sys	Insp	Amt	Amt	Item ID	Vol	Reports Surf	Visual	Remarks
Item no		- , -	Per	Req	Comp					l
						SI-319-HC			VT-05-899	
						SI-319-HD			VT-05-900	
						SI-319-HE	فر تا وود		VT-05-901	
						SI-319-HF			VT-05-902	
						SI-319-HG			VT-05-903	
						SI-319-HH			VT-05-904	
1.40	41	SG 1	One	2	2	41-42			01-1498	
						41-43		·	01-1499	
			Three	0	0	41-41			VT-05-1166	PSE
						41-42			VT-05-1167	PSE
	42	SG 1	Two	2	2	42-42			VT-04-011	
			,			42-43			VT-04-013	
			Three	0	0	42-41			VT-05-672	PSE
		·				42-42			VT-05-673	PSE
	72	LPSI Pump A	One	3	3	72-3A			01-1472	
						72-3B			01-1472	
						72-3C			01-1472	
	75	LPSI Pump B	Two	3	3	73-3A			VT-04-030	·
						73-3B			VT-04-031	
						73-3C			VT-04-032	
	78	CS Pump A	Two	3	3	80-3A			VT-04-036	
						80-3B			VT-04-037	
						80-3C			VT-04-038	
	81	Cont Spray B	Three	3	3	81-3A			VT-05-720	
						81-3B			VT-05-721	
						81-3C			VT-05-722	
	116	HPSI Pump A	One	4	4	116-1A			01-1474	
		-				116-1B			01-1474	
	1	<u> </u>				116-1C			01-1474	
						116-1D			01-1474	
	117	HPSI Pump B	Two	4	4	117-1A			VT-04-148	
		•				117-1B			VT-04-149	
	1					117-1C			VT-04-150	
					1	117-1D			VT-04-151	



REFUELING OUTAGE NUMBER THIRTEEN

CODE LIMITATIONS

ASME ITEM	ZONE/COMPONENT	. ITEM ID	REPORT NO.	
No limited examinations du	uring the 1R13 reporting cycle			
	,	,		
			•	
			•	
	·			



APS

NIS-1 FORM

OWNERS' DATA REPORT FOR INSERVICE INSPECTIONS

1.	OWNER -	ARIZONA PUBLIC SERVICE	COMPANY, et al		
	ADDRESS -	P.O. BOX 52034, PHOENIX, A	RIZONA 85072		
2.	PLANT -	PALO VERDE NUCLEAR GEN	NERATING STATION	7	
	ADDRESS -	5801 SOUTH WINTERSBURG	ROAD; TONOPAH,	ARIZONA 85354-	7529
3.	UNIT NUMBER				
4.	OWNERS' CERTIFIC	CATE OF AUTHORIZATION - A	NONE		
5.	COMMERCIAL SER	VICE DATE - January 28,	1986		
6.	COMPONENTS INS	PECTED:			
	MPONENT OR PURTENANCE	MANUFACTURER OR INSTALLER	SERIAL NUMBER	STATE OR PROVINCE	NATIONAL BOARD NO

This report is a summary of the second interval third period examinations performed to date for Unit 1. The items examined, along with the examination report numbers, are listed in Appendix A.

APS

NIS-1 BACK

OWNERS' DATA REPORT FOR INSERVICE INSPECTIONS

- 7. EXAM DATES <u>12-25-05</u> TO <u>07-19-07</u>
- 8. INSPECTION INTERVAL FROM 7-18-1998 TO 7-17-2008
- 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 Category and Item Numbers with the corresponding examination report numbers.

10. ABSTRACT OF CONDITIONS NOTED

The evaluation of the results form the ISI examinations indicate the integrity of the systems have been maintained. There were several cases of leakage at non-resistant bolting connections and two supports that had a broken load collar.

11. ABSTRACT OF CORRECTIVE MEASURES RECOMMENDED AND TAKEN

The non-resistant bolting at leaking locations was removed and further inspected, as required by relief request 15. While several bolts were replaced, the bolting maintained its pressure integrity. The support load collars were replaced. 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 /0-/5-07 SIGNED: ARIZONA PUBLIC SERVICE COMPANY

CERTIFICATE OF INSERVICE INSPECTION

I, THE UNDERSIGNED, HOLDING A VALID COMMISSION ISSUED BY THE NATIONAL BOARD OF BOILER AND PRESSURE VESSEL INSPECTORS AND THE STATE OR PROVINCE OF ARIZONA EMPLOYED BY HSB CT OF HARTFORD, CONNECTICUT HAVE INSPECTED THE COMPONENTS DESCRIBED IN THIS OWNERS REPORT DURING THE PERIOD 12-25-05 TO 1-40-07, 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	24	Gotum	 COMMISSIONS	28	9685	"A, N, 1, C"Az 264
		()		NAT'L	BOARD,	, STATE, PROVINCE
DATE 10-	15-07					

APPENDIX D FORMS NIS-2

	ASME SECTION	XI - REPAIR / REPL	ACEMENT	
			Pa	geof
1. Component ID 1JCHN	IPSV0354		·	
2 Item Description: Cro	sby relief valve			
3. N-5 Data Package Num	ber: <u>1CH13-2</u>	4. W.O. Number: 2	739965	
<u> </u>	Code Edition: 1974 Edition,			•
	ode Edition: 1974 Edition, V			
	emove valve and install spare			-
8. 🔲 ISI Flaw		NDE Method of Flaw Det	ection:	
O. Emplossion of the suitab	.:1ia afal.ia	Report Number:		
1	pility of this work as per the re			
Not a ASME pressure	boundary failure. Valve is be	eing replaced to expidite worl	<u>C.</u>	
			ý.	\$**
í.				š
, '	Vork Organization: <u>Arizona</u>			
<u>-</u>	onstruction or reconciled Cod			
	Activity Construction Code/Ed		dition 19/5 Winter A	addenda
13. ASME Section XI Cod		and 1992 Addenda		. /
14. Preservice Inspection	Required:	☐ YES ⊠ NO		
Initial Dung Date	7-11-05 If require	d, include a step in the W.O.	to perform Preservice	Inspection
15. ASME Section XI Pre		⊠ YES □ NO		
Orano D	7-11-00 If require	d, include a step in the W.O.	for ISI & ANII Inspe	ction.
Initial Pmg_ Date	16 7 1	-	-	
Initial Purse Date	7-11-DS componer	de a step in the W.O. to compute.	nete N15-2 Form pric	or to releasing the
	17 Inchu	de a step in the W.O. to recor	d balan, all amplicabl	a numbers for constrad or
Initial Many Date	7-11-05 replaceme	•	d below all applicable	e numbers for repaired or
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
1JCHNPSV0354	APN 45000471	N61175-00-0005	N/A	WO 2749800
1301141010381	7411 43000471	1001110	1071	
				
1.5				
	·			
		- 		<u>'</u>
18. Planner Da Du		-05 Printed Name: I	David Goodlet	<u> </u>
Signature 19. ISI	,	Date Printed Name:	R.P. Inda	P Log Entry PL
Signature		Date		J - 0 ,
20. ANII 25 Anotor	7-2	8-05 Printed Name:	R.G. HOGSTROM	. *
Signature		Date Printed Name:	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,
PV216-08NI (8-88)		Enter the professional and the second	e nesekir iganimumi menirtaren araina araina itailari itaina baia	73DP-97Z17 Rev 9

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

As Required by the Provisions of the ASME Code Section XI

1. Owner: Arizon	na Public Service (Company, et. al.	·	1	Date: <u>6-4</u>	-2007		
<u>P. O. F</u>	30x 53999, Phoeni	ix Arizona 85072-20	<u>034</u>		Sheet:	<u>1</u> of <u>2</u>		
2. Plant: Palo V	Verde Nuclear Gene	erating Station			Unit: <u>1</u>			. •
5801 S	South Wintersburg	Road., Tonopah, A	rizona 8535	54-7529	Work Ord	er Number	r <u>2739965</u>	
3. Work Performe	ed by: <u>Arizona Public</u>	c Service			Type of Co	ode Stamp	None None	
	,				Authorizat	tion No.	<u>N/A</u>	
					Expiration	Date N/	<u>A</u> _	
4. Identification o	f System: <u>CH: Che</u>	mical and Volumn Co	ontrol Systen	<u>n</u>	•	`	file: •	t
5. (a) Applicable	Construction Code ¿	ASME Section III NC	Class 2]	<u>1974</u> Editio	on, <u>Summer</u>	<u>1976</u> Add	enda, Co	de Case
(b) Applicable	Edition of Section 3	XI Utilized for Repairs	s or Replace	ments: 19	992 Edition,	, 1992 Add	denda	
6. Identification of	f Components Repai	ired or Replaced and F	Replacement	: Componer	nts			/
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	1	ther fication	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)
Relief Valve	Crosby	N61175-00-0001	N/A	1JCHNPS	SV0354	1978	Replaced	YES
Relief Valve	Crosby	N61175-00-0005	N/A	1JCHNPS	SV0354	1986	Replacement	YES
/			·					
						- - -		ŝ
			,					
7. Description of V	Work: Remove PS	V and install tested	spare. Test	removed	valve and	rework &	save as spare.	
8. Test Conducted:	: Hydrostatic	Pneumatic [Nomi	inal Operat	ing Pressure	e 🔯 🗆 1	Exempt	
N-4	416-2 Other	Pressure 430 psi	i		Test Ten	nperature	102 °F	
								•
inches, (2) info	ormation in items 1	form of lists, sketche thru 6 on this reported at the to of this f	ort is include					

	FORM NIS-2 (Back)
9.	Remarks: WO# 2739965 for valve 1JCHNPSV0354. Removed existing PSV and installed tested spare. Test the
	removed valve and save as spare.
-	
Pr	e-Pressured Test WO Review - ISI Robotal 6/22/07
	74/
	ANII G-22-0 (
	V
	Certificate of Compliance
	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.
	We certify that the statements made in the report are correct and this replacement conforms to the rules of the
	We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.
	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
	We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp

I, the undersigned, holding a valid commission issued by the National Board of boiler and Pressure Vessel Inspectors and the State or Province of <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
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 hispection.
Commissions: NB 9685 "N" "I" AZ264 National Board, State, Province, and Endorsements

CERTIFICATE OF INSERVICE INSPECTION

PV216-08NI (8-88)

Inspectors Signature

7-4-07

.*	ASME SECTION	XI - REPAIR / REP	LACEMENT	
		:	Page	e of
1. Component ID <u>2803667</u>	IMCHBX07 9	RPI 8/24/66		
2 Item Description: Chargi				
3. N-5 Data Package Number		4. W.O. Number:	2803667	
5. Original Construction Cod				4. 4.
6. Original Installation Code				
7. Work Description: PM 2	ctivity for replacement of			ion ring.
8. 🔲 ISI Flaw	•	NDE Method of Flaw D Report Number: n/a	refection: IVa	ı
9. Evaluation of the suitabilit	v of this work as per the r	. • • · · · · · · · · · · · · · · · · ·):	
	-	Parts replaced are approved		onent
Penhaement:	e a routine	planned mais	ntenance. RE	Produce
, april			81	24/06
1.		•	V 1	
10. Repair/Replacement Wor	k Organization Arizona	a Public Service	<i>보</i> 면 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	
11. Replacement Items Cons			977 Edition 1977 Winter	Addenda
12. Repair/Replacement Acti				,
13. ASME Section XI Code/		and 1992 Addenda		
14. Preservice Inspection Rec	quired:	☐ YES 🖾 NO)	,
Initial Drug Date 8	- 14-2006 If manying	ed, include a step in the W.C) to porform Procornico I	ngnaction
/		YES NO	-	nspection
15. ASME Section XI Pressu				. ,
Initial My G Date 8-	17.2006 If require	d, include a step in the W.C	J. for 151 & ANII Inspecti	ion.
Initial Dryg Date 8-	· 44 . / 1313/	ide a step in the W.O. to con nt for permanent service or	•	to releasing the
	Compone	•		
Initial <u>Puis</u> Date 8	17. Inclured replacem	ide a step in the W.O. to recent items.	cord below all applicable	numbers for repaired or
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
Plug & Poppet Assy	APN 00093298	14	n/a	MR 1132237
Bag & Gas Valve Assy	APN 45000617	1126-7	n/a	MR 1103473
Retaining Ring	APN 45150602	1356-04	n/a	MR 1103473
	<i>.</i>	•		
*				
				1
18. Planner Signature	1 Suddet 8	Printed Name	DAVIO M.	GOODLET
19. ISI Signature	ap 8/2	,	R.P-INDAF	Log Entry PPP
20. ANII 25 Lytum	¥-2·	Name Printed Name	RG HOGSTRO	М

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

As Required by the Provisions of the ASME Code Section XI

1. Owner: Arizon	na Public Service (Company, et. al.	,		Date: <u>8/2</u>	4/2006		
<u>P. O. E</u>	Box 53999, Phoeni	x Arizona 85072-20	034	1	Sheet:	<u>1</u> of <u>2</u>		
2. Plant: Palo V	erde Nuclear Gene	erating Station			Unit: <u>1</u>			
<u>5801 S</u>	South Wintersburg	Road., Tonopah, A	rizona 8535	<u> </u>	Work Ord	er Numbe	2803667	
3. Work Performe	đ by: <u>Arizona Public</u>	Service			Type of Co	ode Stamp	None None	
			,		Authorizat			
					Expiration	Date N/	<u>A</u>	
4. Identification of	f System: CH: Che	mical and Volumn Co	ontrol Systen	<u>n</u>				
5. (a) Applicable	Construction Code A	ASME Section III NC	C, Class 2	1 <u>977</u> Editio	on, <u>Summer</u>	<u>1977</u> Add	enda, Co	de Case
(b) Applicable	Edition of Section X	I Utilized for Repair	s or Replace	ments: <u>19</u>	92 Edition.	, 1992 Ac	ldenda	
6. Identification of	f Components Repai	red or Replaced and I	Replacement	Compone	nts			1 .
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.		ther fication	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)
Plug & Poppet	Greer	14	n/a	1МСНВ:	X07	2006	Replacement	NO
Bag &Gas Valve Assý	Greer	1126-7	n/a	1МСНВ2	X07	2006	Replacement	NO
Retaining Ring	Greer	1356-04	n/a	1МСНВ	X07	2006	Replacement	NO
-							20.00 200	
			,				·	
	,	-						
7. Description of V	Work: Routine ma	int. for replacement	t of rubber p	oarts; o-rii	ngs, bladde	r and ext	rusion ring.	
8. Test Conducted	: Hydrostatic	Pneumatic [Nomi	inal Operat	ing Pressure	e 🔲	Exempt 🛛	
N-4	416-2 Other	Pressure psi	i		Test Ten	nperature	°F	
the second	· .	1						
inches, (2) info	ormation in items 1	form of lists, sketched thru 6 on this repo	ort is include					

FORM NIS-2 (Back)

L_		
9.	Remarks: WO# 2803667 for pulsation dampener (1MCHBX07). This work order is a 5 year PM for replacement of rubber parts. The Bag & Gas Valve Assy has the valve stem as a pressure retaining part. The Plug & Poppet Assy has both the plug and the poppet as pressure retaining parts. The existing assembly was replaced due to scratches in the poppet. This assembly was obtained from WPPSS under PO# 500291254. The retaining ring was replaced because it is vulcanized to the rubber anti-extrusion ring	
P	re-Pressured Test WO Review – ISI	
	re-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 the ASME Code, Section XI.	
	Type Code Symbol Stamp N/A	
	Certificate of Authorization No. N/A Expiration Date: N/A	7
	Certificate of Authorization No. N/A Expiration Date: N/A Signed: Prodap Sr. (ensulting Engineer Date: 8/24/06 Of the Order of Owner's Designee, Title	
		,
		1
	CERTIFICATE OF INSERVICE INSPECTION	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 \$-24-06 to, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.	
	By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.	
	Commissions: NB 9685 "N" "I" AZ264 Inspectors Signature National Board, State, Province, and Endorsements	
ļ	Date: 8-24-06	I

				LACEMENT	
		energia esti este este este este este este este		Pa	ge ¹ of t
	mponent ID <u>1JEWBL</u> V		· ·		
		SURGE TANK B MAKE			
	Data Package Number		4. W.O. Number:	2860070	
	-	e Edition: 1974 Edition,	,		
	=	Edition: 1974 Edition, W			
. Wc		ORK VALVE INTERNAI KAGE , REPLACE BODY			LIMINATE SEAT
. 🔲 !	ISI Flaw		NDE Method of Flaw D		
			Report Number:		
. Eva	aluation of the suitabilit	y of this work as per the rec	quirements of IWA - 4150	:	
N	O FAILURE OF THE A	ASME PRESSURE BOUN	DARY		
			,		
					ć.
	SME Section XI Pressu		☐ YES ☒ NO)	
Initial Initial	#80 Date 3 480 Date 3 880 Date 3	-2-07 16. Includ component	e a step in the W.O. to cort. e a step in the W.O. to rec		or to releasing the
nitial	SEO Date 3 Item ID	-2-07 16. Includ component 17. Includ replacement Part No.	e a step in the W.O. to cort. e a step in the W.O. to rec	nplete NIS-2 Form prio	or to releasing the
	Item ID	Part No.	e a step in the W.O. to cort. e a step in the W.O. to recort items. Serial No.	nplete NIS-2 Form prior ord below all applicable Heat No.	or to releasing the le numbers for repaired or mr/PO/WO No
		Part No. 200931 -1	e a step in the W.O. to cont. e a step in the W.O. to recont items. Serial No.	nplete NIS-2 Form prio	or to releasing the le numbers for repaired or MR/PO/WO No
	Item ID DISC TOTSC	Part No.	e a step in the W.O. to cort. e a step in the W.O. to recort items. Serial No.	nplete NIS-2 Form prior ord below all applicable Heat No.	or to releasing the le numbers for repaired or mr/PO/WO No
	Item ID	Part No. 200931 -1	e a step in the W.O. to cont. e a step in the W.O. to recont items. Serial No.	nplete NIS-2 Form prior ord below all applicable Heat No.	or to releasing the le numbers for repaired or MR/PO/WO No
	Item ID DISC TOTSC	Part No. 200931 -1	e a step in the W.O. to cont. e a step in the W.O. to recont items. Serial No.	nplete NIS-2 Form prior ord below all applicable Heat No.	MR/PO/WO No
	Item ID DISC TOTSC	Part No. 200931 -1	e a step in the W.O. to cont. e a step in the W.O. to recont items. Serial No.	nplete NIS-2 Form prior ord below all applicable Heat No.	or to releasing the le numbers for repaired or MR/PO/WO No
	Item ID DISC TOTSC	Part No. 200931 -1	e a step in the W.O. to cont. e a step in the W.O. to recont items. Serial No.	nplete NIS-2 Form prior ord below all applicable Heat No.	MR/PO/WO No
	Item ID DISC TOTSC	Part No. 200931 -1	e a step in the W.O. to cont. e a step in the W.O. to recont items. Serial No.	nplete NIS-2 Form prior ord below all applicable Heat No.	or to releasing the le numbers for repaired or MR/PO/WO No
MA:	Item ID DISC FOISC	Part No. 200931 -1 102175 -1	e a step in the W.O. to cont. e a step in the W.O. to recont items. Serial No.	nplete NIS-2 Form prior ord below all applicable Heat No.	or to releasing the le numbers for repaired or MR/PO/WO No SO0234510
18. PI	Item ID DISC FOISC	Part No. 200931-1 102175-1 Tennedian 3-1 3/8	e a step in the W.O. to cont. e a step in the W.O. to recont items. Serial No.	Heat No. LIDL9 : G. Osmun : FRED Potree	MR/PO/WO NO SOUSSIDE SOUSSIDE Log Entry House Log Entry House Sousside Log Entry House Sousside Log Entry House Sousside Sousside Log Entry House Sousside S

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

As Required by the Provisions of the ASME Code Section XI

1. Owner: Arizona l	Public Service Comp	oany, et. al.		Date	: 02/15/200	07		
P. O. Box 53999, Phoenix Arizona 85072-2034 Shee					Sheet: $\underline{1}$ of $\underline{2}$			
2. Plant: Palo Verde Nuclear Generating Station				Unit	Unit: 1			
<u>5801 Sout</u>	th Wintersburg Road	l., Tonopah, Arizor	na 85354-7529	Wor	k Order Nun	nber 2860070		
3. Work Performed l	oy: Arizona Public S	ervice Co.		Туре	of Code Sta	amp <u>None</u>		
e.	5801 S. Wintersb	urg Rd., Tonopah,	Arizona, 85354	4-7529 Auth	orization No	o. <u>N/A</u>		
			•	Expi	Expiration Date <u>N/A</u>			
4. Identification of S	ystem: 1EW-02-3							
5. (a) Applicable Co	onstruction Code AS	ME Section III ND	o, Class 3 1	1974 Edition, Wi	nter 1975 A	ddenda, <u>N/A</u> Cod	e Case	
(b) Applicable Ed	dition of Section XI	Utilized for Repair	s or Replaceme	ents: 1992 Editio	on, 1992 Ado	denda		
6. Identification of C	omponents Repaired	d or Replaced and I	Replacement C	omponents				
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or . NO)	
Main Disc	Target Rock	30A	N/A	1JEWWBLV009	2 2001	Replacement	Yes	
				·				
						·		
				***************************************		4.:		
- 3	·			Tax and the second				
					·			
7. Description of Work: Rework/Replace valve internals to eliminate seat leakage.								
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt N-416-2								
Other	Other Pressure N/A Test Temperature N/A °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.								

FO	RM NIS	-2 (Back)	
9. Remarks: <u>WO 2860070</u>	Paragraph (2) and the first transfer of the second	de de la companie de des de la companie de des des de la companie de la companie de la companie de la companie	
			+ .
Pre-Pressured Test WO Review – ISI	25/2		
ANII	2/4		
Cer	tificate of (Compliance	
We certify that the statements made in the rASME Code, Section XI.	eport are correc	ct and this replacement conforr	ns to the rules of the
Type Code Symbol Stamp	N/A	e e e e e e e e e e e e e e e e e e e	<u> </u>
Certificate of Authorization No.	N/A	Expiration Date:	N/A
Signed: Holy All	5 15	ENOMEL Date: 3	-8-07
CERTIFICATE	OF INSEI	RVICE INSPECTION	
Inspectors and the State or Province of Arizinspected the components described in this to, and state that examinations and taken corrective measurequirements of the ASME Code, Section X	zona and emplos Owner's report to the best of rures described	byed by <u>HSB CT</u> of <u>Hartford</u> of the during the period of my knowledge and belief, the C	1. Connecticut, have 3-2-07 Owner has performed
By signing this certificate, neither the Inspecton concerning the examinations and corrective the Inspector nor his employer shall be liable loss of any kind arising from or connected to	e measures deso ble in any mani	cribed in this Owner's report. her for any personal injury or p	Furthermore, neither
Inspectors Signature	C	Commissions: NB 9685 "N" "I National Board, State,	" AZ264 Province, and Endorsements
Date: 3-8-07			

	ASME SECTION	XI - REPAIR / REP	LACEMENT	
			Pa _j	ge <u> </u>
1. Component ID 45060185 2 Item Description: Bonnet, 3. N-5 Data Package Number: 5. Original Construction Code I 6. Original Installation Code I 7. Work Description: Repla 8. ISI Flaw 9. Evaluation of the suitability	1RC01-1C Edition: 1974 Edition Edition: 1974 Edition, V ce and weld a new stud in	4. W.O. Number: Winter 1975 Addenda Winter 1975 Addenda n the disc NDE Method of Flaw D Report Number:	Detection:	
10. Repair/Replacement Worl 11. Replacement Items Const 12. Repair/Replacement Activ 13. ASME Section XI Code/F 14. Preservice Inspection Req Initial Date 15. ASME Section XI Pressur Initial Date Initial Date Initial Date Initial Date	ruction or reconciled Cocvity Construction Code/Edition: 1992 Edition a quired: If required: If required: If required: If required: If required: 16. Included componer componer componer componer construction Code/Edition and Code/Edition a	le/Edition: Sec. III Cl 1, 1	D. for ISI & ANII Inspecting Property of the power operation.	Inspection ction. or to releasing the
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
Disc	76347	SN 2	1Q90	WO 2837012
Disc Stud	APN 00093014	Trace # CL70	N/A	MR 1015735
	·			
· · ·		·	<u></u>	
18. Planner Signature 20. ANII Signature Signature		Date	e: BULLEHMAN e: RG HOGSTROM	Log Entry

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

11/00/06	,		
1. Owner Arizona Public Service Company, et. al. Date 11/03/06			
P.O. Box 53999, Phoenix, Arizona 85072-2034 Sheet 1 of 2	<u>'</u>		
2. Plant Palo Verde Nuclear Generating Station Unit 2	···		
5801 S. Wintersburg Rd., Tonopah, Arizona 85354-7529 Address Name 2860072 Work Order Number	2860072		
Address Work Order Number			
3. Work Performed by Arizona Public Service Type Code Symbol Stamp No.	ne		
Authorization No. N/A			
5801 S. Wintersburg Rd., Tonopah, Az 85354-7529 Expiration Date N/A			
Address			
4. Identification of System NA			
5. (a) Applicable Construction Code ASME Section III 19 74 Edition, W75 Addenda, N/A Cod	de Case		
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 92 Edition, 92 Addenda			
6. Identification of Components Repaired or Replaced and Replacement Components			
l Name of I Name of Imaniliariliter National Littler Lyear Title III	ME Code Stamped		
Item Manufacturer Serial No. Board No. Identification Built Replacement (Y	es or No)		
DISC Borg-Warner SN 2 NA NA 1978 Repaired	Yes		
7. Description of Work Note remarks in Section 9 on Page 2.			
8. Test Conducted: Hydrostatic 🔲 Pneumatic 🗍 Nominal Operating Pressure 🗍 Exempt 🗹 N-4	16-1 🔲		
Other Pressure psi Test Temp. °F			
NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2	y 11 in		
(2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is number the number of sheets is recorded at the top of this form.	ed and		

FORM NIS-2 (Back)

into a valve	was introduced to replace the Stud II	n the disc. This WO does not install the dis
Pre-Pressure Test Review: ISI	NAANIINA	
	CERTIFICATE OF COMP	LIANCE
We certify that the statements m of the ASME Code, Section XI.	ade in the report are correct and	this repair conforms to the rules
Type Code Symbol Stamp	N/A	
		Expiration DateN/A
Signed DOW-	ENGL	Date//-3-06
	TIFICATE OF INSERVICE	INSPECTION
CERT I, the undersigned, holding a vali Inspectors and the State or Prov of Hartford, Connecticut	id commission issued by the Natince of Arizona and employ, have inspected the component	tional Board of Boiler and Pressure Vessel yed by <u>HSB CT</u> ts described in this Owner's Report during
I, the undersigned, holding a valid lnspectors and the State or Provof Hartford, Connecticut the period 40-2-06 t	id commission issued by the Natince of Asiana and employ, have inspected the component o, and sexaminations and taken correct	tional Board of Boiler and Pressure Vessel (red by HSB CT) ts described in this Owner's Report during state that to the best of my knowledge and tive measures described in this Owner's
I, the undersigned, holding a valid Inspectors and the State or Provof Hartford, Connecticut the period 10-2-06 to belief, the Owner has performed Report in accordance with the results of the period to be signing this certificate, neither concerning the examinations and	id commission issued by the Natince of ARITONN and employ, have inspected the component on the component of the ASME Code, and the Inspector nor his employer discorrective measures described bloyer shall be liable in any manifolds.	tional Board of Boiler and Pressure Vessel yed by HSB CT ts described in this Owner's Report during state that to the best of my knowledge and tive measures described in this Owner's Section XI. makes any warranty, expressed or implied in this Owner's Report. Furthermore, mer for any personal injury or property
I, the undersigned, holding a valid Inspectors and the State or Provof Hartford. Connecticut the period 10-2-00 to belief, the Owner has performed Report in accordance with the results of the concerning the examinations and neither the Inspector nor his emptors.	id commission issued by the Natince of ARIZONA and employ , have inspected the component o, and sexaminations and taken correct equirements of the ASME Code, or the Inspector nor his employer discorrective measures described bloyer shall be liable in any manising from or connected with this	tional Board of Boiler and Pressure Vessel (red by HSB CT) to described in this Owner's Report during state that to the best of my knowledge and tive measures described in this Owner's Section XI. I makes any warranty, expressed or implied in this Owner's Report. Furthermore, her for any personal injury or property inspection.

	ADME DECITOR A	A-KEFAIK/KEFLE	ACEMENT Pa	geof
 Component ID 45060185 Item Description: Bonnet N-5 Data Package Number: Original Construction Code Original Installation Code Work Description: Repla ISI Flaw Evaluation of the suitability No failure of the ASME p 	E <u>IRC01-1C</u> Be Edition: <u>1974 Edition, Willedition: 1974 Edition, Willedition</u> Be the disc stud and weld december 1974 Edition.	4. W.O. Number: 25 /inter 1975 Addenda nter 1975 Addenda ue damge to the stud during NDE Method of Flaw Dete Report Number: uirements of IWA - 4150:	g disassembly.	
10. Repair/Replacement Wor. 11. Replacement Items Const. 12. Repair/Replacement Activ. 13. ASME Section XI Code/I. 14. Preservice Inspection Rec. Initial 4 Date	ruction or reconciled Code/I vity Construction Code/Edit Edition: 1992 Edition and puired:	Edition: Sec. III Cl 1, 197 ion: Sec. III Cl 1, 1974 Ed 1 1992 Addenda YES NO	dition 1975 Winter A	<u>Addenda</u>
Initial JA Date Initial Jac Date Initial Date Initial Date Initial Jac Date Date Date Date Date Date Date Date	re Test Required: [YES NO include a step in the W.O. to verify NII prior to approving INP a step in the W.O. to record ment items.	for ISI & ANII Inspec / NIS-2 Form has bee 525 Status.	ction. en completed by
Item ID	Part No.	Serial No.	Heat No.	(MR)PO/WO No.
Disc Stud Weld		N/A	-N/A-	WO 2860073
Disc PAZ	167 00088601	27240-8	H/ <u>/</u>	01191622-7
18. Planner Signature 19. ISI Signature	Da	Printed Name:	R.P. Inda	P_Log Entry RFL
20. ANII Signature	4-2-1- Da	Printed Name:tte	RG HOUSTRO	73DP-97ZI7 Rev 9

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: 07-12-2007								
<u>P. O. Bo</u>	<u>P. O. Box 53999, Phoenix Arizona 85072-2034</u> Sheet: <u>1</u> of <u>2</u>							
2. Plant: Palo Verde Nuclear Generating Station Unit: 1								
5801 Sou	5801 South Wintersburg Road., Tonopah, Arizona 85354-7529 Work Order Number 2860073							
3. Wörk Performed	3. Work Performed by: Arizona Public Service Co. Type of Code Stamp None							
	5801 S. Wintersb	urg Rd., Tonopah,	Arizona, 85354	4-7529 A	uthorization N	o. <u>N/A</u>		
				E	opiration Date	<u>N/A</u>		
4. Identification of S	ystem: Safety Injec	ction (SI)				* *** ***		
5. (a) Applicable Co	onstruction Code <u>AS</u>	ME Section III NB	, Class 1 1	974 Edition,	Winter 1975 A	ddenda, <u>N/A</u> Cod	e Case	
(b) Applicable Ed	dition of Section XI	Utilized for Repairs	s or Replaceme	ents: <u>1992 E</u> c	lition, 1992 <i>A</i>	Addenda		
6. Identification of C	Components Repaired	d or Replaced and I	Replacement C	omponents				
Name of Item	Item Manufacture Serial No. Board No. Identification Built Replacement Code						Code	
							Stamped (Yes or NO)	
Bonnet, Disc & Arm Assembly	Borg Warner	5	N/A APN 45060185 1977 Repaired Ye				Yes	
Disc	Flowserve	27240-6	N/A	1PSIBV53	2 2007	Replacement	Yes	
			·					
,								
7. Description of Wo	ork: Reworked the b	onnet, disc & arm	assembly for us	se as spare.	·····		****	
8. Test Conducted: 1	Hydrostatic [Pneumatic	Nominal Oper	rating Pressure	Exer	npt 🛛 N-416	5-2	
Other Pressure psi Test Temperature ^F								
	nental sheets in for mation in items 1 tl							

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

FORM	NIS-2 (Back)
1. W.O. 2860073 reworked the bonnet, disc & arm as:	sembly removed from valve 1PSIBV532.
re-Pressure Test work order review - ISI :	V/A V/A
Certificate	e of Compliance
ASME Code, Section XI. Type Code Symbol Stamp N/A	A Expiration Date: N/A
Signed: Pholop, ISA En Owner or Owner's Designee, Title	Sineer Date: 7/12/07
CERTIFICATE OF I	NSERVICE INSPECTION
Inspectors and the State or Province of <u>Arizona</u> and inspected the components described in this Owner to, and state that to the b	sued by the National Board of boiler and Pressure Vessel demployed by HSB CT of Hartford, Connecticut, have 's report during the period of 4-24-07 pest of my knowledge and belief, the Owner has performed scribed in this Owner's Report in accordance with the
concerning the examinations and corrective measur	or his employer makes any warranty, expressed or implied, res described in this Owner's report. Furthermore, neither by manner for any personal injury or property damage or a sinspection.
Inspectors Signature	Commissions: NB 9685 "N" "I" AZ264 National Board, State, Province, and Endorsements
Date:	

参

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



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

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

Not to Exceed One Day's Production

Pg. 1 of 2 Flowserve Corporation 1900 S. Saunders St. Raleigh, NC 27603 1. Manufactured and certified by __ iname and address of NPT Certificate Holder) 2. Manufactured for Pinnacle West Capital Corp/Disbursement Accounting, MS 95/P.O Box 53940, Phoenix, AZ 85072-3940 Iname and address of purchaser) APS-PALO VERDE/Arizona Public Service Palo Verde Plant/P.O. Box 52034, Phoenix AZ 85072-2034 3. Location of installation iname and address) SA182 F316 __.77700, R/K-N/A N/A 2007 4. Type ____ (drawing no.) (matil. spec. no.) (tensile strength) (vear buitt) 1974 Winter 1975 N/A 5. ASME Code, Section III, Division 1: (Code Case no.) (addenda cate) (01255 N/A 6. Fabricated in accordance with Const. Spec. (Div. 2 only) Revision Date (na.) 7 Disc/Stud Assy for a 3" 1521# Swing Check Valve 7. Remarks: _ N/A Length overall (ft & in.) N/A Min. design thickness (in.) Per #4 Dia. ID (ft & in.) 8. Nom. thickness (in.) ___ 9. When applicable, Certificate Holders' Data Reports are attached for each item of this report: National National Part or Appurtenance Board No. Part or Appurtenance Board No. Serial Number in Numerical Order Serial Number in Numerical Order 27240-3 N/A (1) 27240-4 N/A (2) 27240-5 N/A (3) 27240-6 N/A (4) 27240-7 N/A (6)_ (9)_ (34) (10)(11).(12) (13) (16) (17) (18) _____ $(19)_{-}$ (21) ___ (22) _____ (23).

_ °F. Hydro, test pressure _

_ psi.

Temp.

10. Design pressure

Thupplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8½ x 11, (2) information in items 2 and 3 on this Data Report is 1,000 because the specific place of the specific pla



	Certificate	Holder's Serial Nos. 272	10-3	through 27240-7
	CERTIFICATION	OF DESIGN		
Design specifications certified by		P.E. State	Illinois	Reg. no. 062-043270
Design report* certified by	N/A (when applicable)	P.E. State _	N/A	. Reg. no. N/A
	CERTIFICATE OF	COMPLIANCE		
We certify that the statements made in	this report are correct and that this	thosal .	Par	ts
conforms to the rules of construction of				
NPT Certificate of Authorization No	N-1563 "	Expires	11-26-09	
Date 6/22/07 Name F	Howserve Corporation (NPT Certificate Holder)	Signed	(authoriz	ed representative)
<i>,</i>	CERTIFICATE OF	INSPECTION		
I, the undersigned, holding a valid comofNC and employed b			ssel Inspector	s and the State or Province
of <u>Hartford, CT</u> ha	ve inspected these items described in	this Data Report on	122/07	, and state that to the
best of my knowledge and belief, the C		, , ,	accordance w	ith the ASME Code, Section
III, Division 1. Each part listed has been	• •			
By signing this certificate, neither the in this Data Report. Furthermore, neither	·	• • • • • • • • • • • • • • • • • • • •		•
or loss of any kind arising from or con		ros hable in any manifer io	n any persone	initially of property dainage
Date <u>6/27/67</u> Signed	Authorized Nuclear Inspector)	Commissions bid	1. B4. (incl. endors	ements) and state or prov. and no.)

	ASME SECTION	XI – REPAIR / REP	LACEMENT	
	·		. Pa	geof
1. Component ID <u>45060170</u>	g er felt i het wedere voor dit de kompline en eer het in dit van bij dit dit en heeft en dit het de die die d	о должно на постој пригоди должно изголима на семерање и изгод в 19 метор и 19 г. г. семен 18 г. г.	* Paramonical Programmed (2005) September 14 Committee (1907) Committee	all Color of Albert 1, the extractional relations of the second second relations of the second secon
2 Item Description: Bonne	t, Arm and Disc Assembly	y (removed from 1PSIEV24	.7)	
3. N-5 Data Package Number	: <u>1RC01-1C</u>	4. W.O. Number:	2860076	
5. Original Construction Coo	le Edition: 1974 Edition	, Winter 1975 Addenda	•	
6. Original Installation Code	Edition: 1974 Edition,	Winter 1975 Addenda	•	•
7. Work Description: Repl	ace the disc / stud assemb	ly due to cracks found in the	e stellite area.	
8. ISI Flaw		NDE Method of Flaw D	etection:	•
		Report Number:	·	
9. Evaluation of the suitabilit	ty of this work as per the r	requirements of IWA - 4150):	
No failure of the ASME	pressure boundary. Like for	or like replacement to refurb	oish spare assembly.	•
			•	
				*
10. 'Repair/Replacement Wor	k Organization: <u>Arizon</u>	a Public Service		<u>™</u>
11. Replacement Items Cons	truction or reconciled Coc	le/Edition: Sec. III Cl 1, 1	<u>974 Edition 1975 Wint</u>	er Addenda
12. Repair/Replacement Acti	•		Edition 1975 Winter A	<u>ddenda</u>
13. ASME Section XI Code/	Edition: 1992 Edition	and 1992 Addenda		
14. Preservice Inspection Rec	quired:	☐ YES ⊠ NO		
Initial A Date	If require	d, include a step in the W.C). to perform Preservice	Inspection
15. ASME Section XI Pressu		☐ YES ⊠ NO		
	·	d, include a step in the W.O), for ISI & ANII Inspec	ction.
Initial J Date 4		-	• •	•
Initial <u>ル/泊</u> Date		ide a step in the W.O. to ver a ANII prior to approving IN	= -	en completed by
Initial J Date 4	±1- = /3 /	de a step in the W.O. to reco	ord below an applicable	e numbers for
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
Disc and Stud Assembly	APN 45020875	193724	83334	MR 1209684
Disc and Stud Assembly	AFN 43020073	193724	63334	WR 1209084
		,		1
	ł .	- 		<u> </u>
***	7			
	Sai 4	G-07 Printed Name	Tames	T. BAVK
	Jai 4	First Name:	James -	I BAVK
18. Planner Signature	Sai 4.	Date /	_	
18. Planner Signature	Ja: 4.	Date /	BILL LEHI	
18. Planner	Jai 4-	Date / / C 7 Printed Name: Date	BILLLEHI	1AN og Entry
18. Planner Signature		Date /	BILLLEHI	1AN og Entry

As Required by the Provisions of the ASME Code Section XI

Arizo	- Dalia Carvice	O = or of of	September 1999 1999 1999 1999 1999	I	Date: <u>04/</u>	10512007		ALCOHOLOGICA SANDARIO
	ona Public Service (•				
<u>P. O. F</u>	3ox 53999, Phoeni	ix Arizona 85072-20	<u>034</u>	S	Sheet:	<u>I</u> of <u>2</u>		
2. Plant: Palo V	Verde Nuclear Gene	erating Station		, · · · · · · · · · · · · · · · · · · ·	Unit: <u>1</u> .	•		
<u>5801 \$</u>	South Wintersburg	Road., Tonopah, A	rizona 853.	<u>54-7529</u> V	Work Orde	er Numbe	r <u>2860076</u>	
3. Work Performe	ed by: <u>Arizona Public</u>	c Service		. 7	Γype of Co	ode Stamp	None .	
			,	. Д	Authorizat	ion No.	<u>N/A</u>	
•			•	F	Expiration	Date N/	<u>'A</u>	
4. Identification o	of System: <u>Safety In</u>	<u>ijection</u>			. : .		· · · · · · · · · · · · · · · · · · ·	
5 (a) Applicable	Construction Code 1	ASME Section III NB	J, Class 1	1974 Edition,	Winter 19	975 Adde	nda, Code	e Case
(b) Applicable	Edition of Section 1	XI Utilized for Repair	s or Replace	ments: 199?	2 Edition,	1992 Ado	denda	
6. Identification o	f Components Repai	ired or Replaced and I	Replacement	Components	}			
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Othe Identifica		Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)
Bonnet, Arm, Disc assembly	Borg-Warner	SN 6	N/A	45060185		1977	Repaired	YES
Disc	Borg-Warner	211972-1	N/A	RS21[930-1	1	1991	Replaced	YÉS
Disc	Borg-Warner	193724	N/A	83334		1991	Replacement	YES
	- 🔆							
7. Description of V	Work: Replace the	disc stud assembly	in the spar	e bonnet / ar	rm / disc	assembly	У	
8. Test Conducted	l: Hydrostatic	Pneumatic [Nom	inal Operating	g Pressure		Exempt [
N-4	416-2 Other	r Pressure psi	i ·		Test Tem	perature	°F	
• • • • • • • • • • • • • • • • • • • •		!						
inches, (2) info	ormation in items 1	form of lists, sketche I thru 6 on this repo ded at the to of this t	ort is include					

	FORM NIS-2 (Back)
9.	Remarks: . Work Order 2860076 replaced the disc / stud assembly in the bonnet / arm / disc assembly removed from 1PSIEV247 by Work Order 2791139, which will be stored for future use.
Pr	re-Pressured Test WO Review – ISI
	ANII
	Certificate of Compliance
	We certify that the statements made in the report are correct and this replacement conforms to the rules of the AŞME Code, Section XI.
	Type Code Symbol Stamp N/A
	Certificate of Authorization No. N/A Expiration Date: N/A
	Signed: JLLD 151 ENG Date: 4-6-07 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" "I" AZ264 Inspectors Signature Date: 4-6-07

	ASME SECTION	XI – REPAIR / REPI	LACEMENT	
			Pa	geof\
1. Component ID 1PSIEV12	24		CARREN CONTRACTOR (CONTRACTOR) PROVIDENCE OF THE CONTRACTOR (CONTRACTOR) CONTR	The motion of the control of water and Debat and RM is debug for the water regarding for a
Item Description: HPSI/I	PSI Header Loop Injection	n Check Valve		
ි. N-5 Data Package Number	: <u>1RC01-5</u>	4. W.O. Number:	<u>2864182</u>	
5. Original Construction Cod	le Edition: 1974 Edition,	Winter 1975 Addenda		
6. Original Installation Code	Edition: 1974 Edition, W	Vinter 1975 Addenda	*.	
7. Work Description: Rew	ork or replace the bonnet ar			
8. ISI Flaw		NDE Method of Flaw De	etection:	
O Evolucion of the suitability		Report Number:		
9. Evaluation of the suitabilit		quirements of TWA - 4150	•	
Seat leakage - No ASME	boundary failure	,		
•				
				· · · · · · · · · · · · · · · · · · ·
10. Repair/Replacement Wor			2005	
11. Replacement Items Const				
12. Repair/Replacement Acti13. ASME Section XI Code/I	· ·	nd 1992 Addenda	Edition 1975 Winter A	ddenda /
:				
14. Preservice Inspection Rec	-	☐ YES 🖾 NO		
Initial A Date	If required	, include a step in the W.O	. to perform Preservice	Inspection
15. ASME Section XI Pressu	re Test Required:)	
itial T.A Date 10	2 - 4-06 If required	, include a step in the W.O.	. for ISI & ANII Inspec	ction.
		e a step in the W.O. to com	inlete NIS-2 Form prio	r to releasing the
Initial J. Date /		t for permanent service or p		r to releasing the
_	17 Includ	e a step in the W.O. to reco	ord below all applicable	e numbers for renaired or
Initial J.o Date 1	replacement	-	· · · · · · · · · · · · · · · · · · ·	, numbers for repaired or
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
Disc	PN 076865	5N#1	2014	2932001
Bonnet	PN 076857	5N#5	2863	2932001
- Fair				
		,		
			·	·
The second second		(/_(Y =	Time	
18. Planner Signature	Ja: 10-	Y-06 Printed Name:	JAMES I.	NAVIS
Tall la		1-1	00	000
19. ISI Signature	P 10/4	Printed Name:	K. P. INDAY	Log Entry PPL
,) 1	Jaic		
D. ANII 2D System	.0	Printed Name:	R.G. HOGSTRI	он
Signature		Date		

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 Co	ompany, et. al.		Date:	06-27-20	07	
<u>P. O. Bo</u>	ox 53999, Phoenix A	Arizona 85072-20	<u>034</u>	Sheet:	:: <u>1</u> of	2	
2. Plant: Palo Ver	rde Nuclear Genera	ating Station		Unit:	1		
<u>5801 So</u> i	uth Wintersburg Ro	oad., Tonopah, A	rizona 85354	<u>-7529</u> Work	Order Nur	mber 2864182	
3. Work Performed	by: <u>Arizona Public S</u>	Service Co.		Type	of Code St	amp <u>None</u>	•
•	5801 S. Wintersb	ourg Rd., Tonopah,	Arizona, 8535	<u>4-7529</u> Autho	orization No	o. <u>N/A</u>	
				Expir	ation Date	<u>N/A</u>	
4. Identification of S	System: Safety Injec	ction (SI)					
5. (a) Applicable Co	onstruction Code <u>AS</u>	ME Section III NB	3, Class 2 1	1974 Edition, Win	ter 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 Editic	m, 1992 A	<u>lddenda</u>	`
6. Identification of C	Components Repaired	d or Replaced and I	Replacement C	omponents			
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired or Replacement	ASME Code Stamped
2							(Yes or NO)
12" Check Valve	Borg Warner	27605	744	1PSIEV124	1978	Repaired	Yes
Bønnet	Borg Warner	S/N 20	N/A	Ht # 3L97	N/A	Replaced	Yes
Disc	Borg Warner	S/N 12	N/A	Ht # 3L96	N/A	Replaced	Yes
Bonnet	Borg Warner	S/N 5	N/A	Ht # 2B63	N/A	Replacement	Yes
Disc	Borg Warner	S/N 1	N/A	Ht # 2C14	N/A	Replacement	Yes
							,
7. Description of Wo	ork: Replaced the bo	onnet and disc asser	mbly with a ref	urbished assembly	7.		
8. Test Conducted: 1	Hydrostatic	Pneumatic	Nominal Oper	rating Pressure 🛭] Exen	npt	6-2 🗌
Other	Press	sure psi		Test	Temperatu	are°F	•
10 mg							
inches, (2) inform	mental sheets in for mation in items 1 the eets is recorded at t	thru 6 on this repo	ort is included				

FORM NIS-2 (Back)

e-Pressure Test work order review - ISI	RL13 6/27/02
ANII	: - RS fytum 6-27-07
	Certificate of Compliance
We certify that the statements mad the ASME Code, Section XI.	e in the report are correct and this replacement conforms to the rules of
Type Code Symbol Stamp	N/A
Certificate of Authorization No Signed:	N/A Expiration Date: N/A 151 ENG Date: 6/29/07 wher's Designee, Title
CERTIFI	CATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid Inspectors and the State or Provinc inspected the components describe	commission issued by the National Board of boiler and Pressure Vessel e of <u>Arizona</u> and employed by <u>HSB CT</u> of <u>Hartford, Connecticut</u> , have d in this Owner's report during the period of
I, the undersigned, holding a valid Inspectors and the State or Provinc inspected the components describe to 6-29-07, and s	commission issued by the National Board of boiler and Pressure Vessel e of <u>Arizona</u> and employed by <u>HSB CT</u> of <u>Hartford, Connecticut</u> , have d in this Owner's report during the period of tate that to the best of my knowledge and belief, the Owner has performed e measures described in this Owner's Report in accordance with the
I, the undersigned, holding a valid Inspectors and the State or Province inspected the components describe to, and s examinations and taken corrective.	commission issued by the National Board of boiler and Pressure Vessel e of <u>Arizona</u> and employed by <u>HSB CT</u> of <u>Hartford, Connecticut</u> , have d in this Owner's report during the period of tate that to the best of my knowledge and belief, the Owner has performed e measures described in this Owner's Report in accordance with the
I, the undersigned, holding a valid Inspectors and the State or Province inspected the components describe to, and s examinations and taken corrective requirements of the ASME Code, State of	commission issued by the National Board of boiler and Pressure Vessel e of Arizona and employed by HSB CT of Hartford, Connecticut, have d in this Owner's report during the period of
I, the undersigned, holding a valid Inspectors and the State or Province inspected the components describe to, and sexaminations and taken corrective requirements of the ASME Code, Sexaminations and the Inspector nor his employer shall be set to the I	commission issued by the National Board of boiler and Pressure Vessel e of Arizona and employed by HSB CT of Hartford, Connecticut, have d in this Owner's report during the period of

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

ASME SECTION XI - REPAIR / REPLACEMENT Page of 1. Component ID <u>1PSIEV134</u> 2. Item Description: HPSI/LPSI Header Loop Injection Check Valve 3. N-5 Data Package Number: <u>1RC01-5</u> 4. W.O. Number: 2864185 5. Original Construction Code Edition: 1974 Edition, Winter 1975 Addenda 6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda 7. Work Description: Rework or replace the bonnet and disc assembly to correct seat leakage 8. ISI Flaw NDE Method of Flaw Detection: Report Number: 9. Evaluation of the suitability of this work as per the requirements of IWA - 4150: Seat leakage - No ASME boundary failure 10. Repair/Replacement Work Organization: Arizona Public Service 11. Replacement Items Construction or reconciled Code/Edition: Sec. III Cl 2, 1974 Edition 1975 Winter Addenda 12. Repair/Replacement Activity Construction Code/Edition: Sec. III Cl 2, 1974 Edition 1975 Winter Addenda 13. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 14. Preservice Inspection Required: ☐ YES ⊠ NO Initial 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 JD Date 10-4-06 16. Include a step in the W.O. to complete NIS-2 Form prior to releasing the Initial ______ Date 10-4-06 component for permanent service or power operation. 17. Include a step in the W.O. to record below all applicable numbers for repaired or Initial J.s Date 10-4-06 replacement items. Part No. Item ID MR/PO/WO No. Heat No. Serial No. 2912130 29/2180 10 4 DG Date Printed Name: JAMES I. DAVIS 18. Planner Printed Name: RP. INPAP Log Entry RPP Printed Name: 10-4-06 Date

As Required by the Provisions of the ASME Code Section XI

No. of the second	1	J						
1	na Public Service (Company, et. al.	-		Date: <u>10</u>		and the second s	
<u>P. O. I</u>	30x 53999, Phoeni	x Arizona 85072-20	<u>)34</u>		Sheet:	1 of 2		
2. Plant: Palo V	erde Nuclear Gen	erating Station			Unit: <u>1</u>			
<u>5801 S</u>	South Wintersburg	Road., Tonopah, A	rizona 8535	54-7529	Work Ord	er Number	r <u>2864185</u>	
3. Work Performe	d by: <u>Arizona Publi</u>	c Service			Type of C	ode Stamp	None None	
			,		Authoriza	tion No.	<u>N/A</u>	
					Expiration	Date <u>N/</u>	<u>A</u>	:
4. Identification of	f System: SI: Safet	y Injection					÷	
5. (a) Applicable	Construction Code 4	ASME Section III NC	C, Class 2	1974 Edition	ı, Winter 1	975 Adde	nda,Code	e Case
(b) Applicable	Edition of Section 2	XI Utilized for Repair	s or Replace	ments: <u>199</u>	2 Edition	, 1992 Ad	ldenda	
6. Identification of	f Components Repai	red or Replaced and I	Replacement	Componen	ts			
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Otl Identifi		Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)
Valve	Borb Warner	27606	745	1PSIEV13	34	1978	Repaired	YES
Disc	Borg Warner	1	N/A	HT# 2C14	 	1978	Replaced	YES
Bonnet	Borg Warner	5	N/A	HT# 2B63	1	1978	Replaced	YES
Disc	Borg Warner	12	N/A	HT# 3L96		N/A	Replacement	YES
Bonnet	Borg Warner	20	N/A	HT# 3L97		N/A	Replacement	YES
							,	
7. Description of V	Work: Replaced th	ne bonnet and disc a	ssembly to	correct sea	t leakage.			
8. Test Conducted	: Hydrostatic	Pneumatic [Nom	inal Operati	ng Pressure	e 🛛 .	Exempt [
N-4	416-2 Other	Pressure psi	i		Test Ten	nperature	°F	
		4						
inches, (2) info	ormation in items 1	Form of lists, sketche I thru 6 on this repo ded at the to of this	rt is include					

FORM NIS-2 (Back)

Remarks: Work order# 2864185 replace wo# 2824825 and refurbished by wo# 29		oly originally installed in 3F	PSIEV542, removed by
Pre-Pressured Test WO Review – ISI ANII	Retailed 10	111/0-6	
	Certificate of Com	pliance	
We certify that the statements made in Code, Section XI. Type Code Symbol Stamp		_	
Certificate of Authorization No. Signed: Owner or Owne			
CERTIFIC	ATE OF INSERVIO	CE INSPECTION	
I, the undersigned, holding a valid of Inspectors and the State or Province of inspected the components described to, and state examinations and taken corrective requirements of the ASME Code, Section 1.	of Arizona and employed be in this Owner's report durite that to the best of my knowneasures described in the	ng the period ofoverline when the period of	L. Connecticut, have
By signing this certificate, neither the concerning the examinations and conthe Inspector nor his employer shall loss of any kind arising from or connection.	rective measures described be liable in any manner for ected with this inspection.	in this Owner's report. any personal injury or p	Furthermore, neither roperty damage or a
Inspectors Signature Date: 10-13-06	Commi:	SSIONS: NB 9685 "N" "I National Board, State, I	" AZ264 Province, and Endorsements

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	ASME SECTION X	I – REPAIR / REP	LACEMENT	
and the first that the state of	enem i nek kan aksala ana ana kan aksala kan aksala ana ana ana ana ana ana ana ana ana	professionary as in the case of the foreign as well as foreign as	Pa	ige of \
1. Component ID <u>1PSIBV10</u>	026			Street S. Street
2 Item Description: 1" Ven				
3. N-5 Data Package Number		4. W.O. Number:	<u>2864979</u> * 3	1865117 2.6-07
5. Original Construction Cod				
6. Original Installation Code7. Work Description: <u>Instal</u>			DM# 2024546	
8. ISI Flaw	ir a vent varve in fine 11 31b.	NDE Method of Flaw I		
		Report Number: n/a		
9. Evaluation of the suitabilit	y of this work as per the req	uirements of IWA - 4150	D:	
Not a failure of the ASM	E III pressure boundary. The	1" valve and piping are	a new design change to	add a vent to the
existing system piping.		,		
10. Repair/Replacement Wor				:,
11. Replacement Items Const				
12. Repair/Replacement Acti13. ASME Section XI Code/I			Edition 1975 Winter A	ddenda
14. Preservice Inspection Rec		T1992 Addenda ☐ YES	.	
•		· ·	•	
Initial Ko's Date L	1/28/2006 If required,	include a step in the W.O	O. to perform Preservice	: Inspection
15. ASME Section XI Pressu	re Test Required:	☐ YES N	0	. •
Initial KS Date Lo	1/28/2006 If required,	include a step in the W.O	O. for ISI & ANII Inspe	ction.
	16. Include	a step in the W.O. to co	-	or to releasing the
Initial <u>US</u> Date <u>Lo</u>	component	for permanent service or	power operation.	
Initial <u>FUS</u> Date <u>US</u>	17. Include replacement		cord below all applicabl	e numbers for repaired or
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
Valve	APN 45000244	14BGG	N/A	MR 1143012
16"x1" Weldolet	APN 00098057	N/A	1-1-1-1041664	MR 1143016 * "
1" Pipe	APN 43510515	N/A	503173	MR 1143095 * 61
1" SW Flange	APN 43580760	N/A	26545-5	MR 1143016
1" Blind Flange	APN 43580943	N/A	860756	MR 1143016
Studs - 7/8" dia.	APN 43115015	N/A	726516	MR 1143016
Nuts - 7/8"	APN 43127016	N/A	171	MR 1143016
18. Planner Kow K	Surge W/2	9/2006 Printed Name	e:Karl V. Savage	
19. ISI Signature	/	$\frac{7}{2007}$ Printed Name	: RP INDA	P Log Entry TPP
20. ANII 24 Systrom	. 1-10	Printed Name	RG HOUST	Rom
Signature	Da	ate	• •	

PV216-08NI (8-88)

As Required by the Provisions of the ASME Code Section XI

1. Owner: Arizor	na Public Service C	Company, et. al.		Date:	10/28/200	16	
<u>P. O. B</u>	Box 53999, Phoenix	x Arizona 85072-:	2034	Sheet	: · <u>1</u> of	2	
2. Plant: Palo V	erde Nuclear Gene	erating Station		. Unit:	1		
<u>5801 S</u>	outh Wintersburg	Road., Tonopah,	Arizona 8535	4-7529 Work	Order Num	nber <u>2864979</u>	
3. Work Performed	d by: <u>Arizona Public</u>	: Service Co.	7	Туре	of Code Sta	amp <u>None</u>	
	5801 S. Winters	sburg Rd., Tonopah	ı, Arizona, 853	54-7529 Author	orization No	o. <u>N/A</u>	
				Expir	ation Date	<u>N/A</u>	٠
4. Identification of	f System: <u>Safety In</u>	jection (SI)	•	•			
5. (a) Applicable	Construction Code A	ASME Section III N	JB, Class 1 1	974 Edition, Wir	iter 1975 Ac	idenda, <u>N/A</u> Code	e Case
(b) Applicable	Edition of Section X	II Utilized for Repa	irs or Replacer	ments: <u>1992 Ed</u>	tion, 1992	Addenda	
6. Identification of	f Components Repair	red or Replaced and	d Replacement	Components			
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or NO)
Valve	Flowserve	14BGG	N/A	1PSIBV1026	2006	Replacement	Yes
16",x 1" Weldolet	N/A	N/A	· N/A	Ht: N041694-1-1	2007	Replacement	No
l" Pipe	N/A	N/A	N/A	Ht: 503173	2007	Replacement	No
l" Flange	,N/A	N/A	N/A	Ht: 26545-5	2007	Replacement	No
1" Blind Flange	N/A	N/A	N/A	Ht: 860756	. 2007	Replacement	No
Studs - 7/8"	N/A	N/A	N/A	Ht: 726516	2007	Replacement	No
Nuts - 7/8''	N/A	N/A	N/A	Ht: 1Y1	2007	Replacement	No
7. Description of V	Work: <u>Install new hi</u>	gh point vent valve	per EDC 2006	5-0081.			
8. Test Conducted	: Hydrostatic	Pneumatic	Nominal O	perating Pressure	☐ Ex	empt 🛛 N-4	116-2
Oth	her Press	sure psi	·	Tes	t Temperatu	ire °F	
• •	emental sheets in formation in items				-	• •	

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

FORM NIS-2 (Back)

e-Pressured Test WO Review – ISI	N/A	
ANII	NA	·
	Certificate	of Compliance
We certify that the statements made in ASME Code, Section XI.	n the report are co	orrect and this replacement conforms to the rules of the
Type Code Symbol Stamp	N/A	
Certificate of Authorization No.	N/A	Expiration Date: N/A
Signed: Signed Sweet or Owner	r's Designee, Title	
CERTIFIC	ATE OF INS	SERVICE INSPECTION
I, the undersigned, holding a valid conspectors and the State or Province of inspected the components described to, and state	ommission issued of Arizona and end in this Owner's rate that to the best measures descri	SERVICE INSPECTION d by the National Board of boiler and Pressure Vesse imployed by HSB CT of Hartford, Connecticut, have report during the period of 1-10-07 of my knowledge and belief, the Owner has performed bed in this Owner's Report in accordance with the
I, the undersigned, holding a valid of Inspectors and the State or Province of inspected the components described to, and state examinations and taken corrective requirements of the ASME Code, Second Education Second E	ommission issued of Arizona and end in this Owner's rete that to the best measures description XI. The Inspector nor have the end of the end o	d by the National Board of boiler and Pressure Vesse imployed by HSB CT of Hartford. Connecticut, have report during the period of help of help of help of help of my knowledge and belief, the Owner has performed bed in this Owner's Report in accordance with the described in this Owner's report. Furthermore, neither manner for any personal injury or property damage or an employer makes any warranty.

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	ASME SECTION X	XI – REPAIR / REI	PLACEMENT	•
THE WAY IN THE PROPERTY AND A PROPERTY OF THE	and the second section of the second section of the second section of the second section of the second section		Pa	ge of 2
1. Component ID <u>1PSGEL</u>	011			
2 Item Description: Pipe S				
3. N-5 Data Package Numbe		4. W.O. Number	: <u>2865102</u>	,
5. Original Construction Co				
 Original Installation Code Work Description: Rep 	elace erroded piping with new		d fittings IAW DMWO 2	2865100
8. ISI Flaw	nace ciroded piping with new	NDE Method of Flaw	· · -	.605100.
о. <u>П</u> 1511 и	·	Report Number: n/a	·	
9. Evaluation of the suitabil	ity of this work as per the req	-	50:	
Not a failure of the ASM	1E III pressure boundary. The	e subject pipe spools hav	ve been evaluated as erro	ded due to Flow
Accelerated Corrosion,	The Carbon Steel Piping is b	eing replaced with Stair	nless Steel piping of the s	same wall thickness.
		•		•
				-
10. Repair/Replacement Wo			1004 5 122 1005 0	
11. Replacement Items Con12. Repair/Replacement Act				
13. ASME Section XI Code	-		4 Edition 1975 Willer A	<u>radenua</u>
14. Preservice Inspection Re		✓ YES ☐ N	О .	
			•	
Initial WS Date 2			O. to perform Preservice	e Inspection .
15. ASME Section XI Press	ure Test Required:	X YES □ N	IO	
Initial WS Date 2	12/2007 If required,	include a step in the W.	O. for ISI & ANII Inspe	ction.
Initial Ku Date 2	16. Include		omplete NIS-2 Form pric	or to releasing the
	component	for permanent service o	-	
Initial Kos Date 2	/21/2007 17. Include replacemen		cord below all applicable	e numbers for repaired or
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
8" Pipe - Sch 80	APN 00061187	N/A	D351008	MR 1092551
8" Elbow – 90 Degree	APN 00067691	N/A	MLJN-3 SNI	MR: 1092551122590
8"Pipe-Sch80	APN 00061187		F328608	MR 1092551
8" Elbow-90 Degree	APN 00067691		MDVS-3#1	MR 1092551
<u> </u>				
18 Planner Ko O (8	S. 2/21	720.27 Printed Nam	e:Karl V. Savage	
18. Planner Keel &		ate		
19. ISI RAPOLE	m = a/a	1/2007 Printed Nam	e. R.P. INDA	P Log Entry PP
Signature	D	ate		0 7
20. ANII Rt typhon	2-21	-07 Drintad Nam	e:Robert G. Hogst	trom
Signature		ate Frinted Nam	Kooen G. nogst	

PV216-08NI (8-88)

	ASME SECTION X	I – REPAIR / REPI	LACEMEN I Page	2 of 3
1. Component ID 1PSGEL0 2 Item Description: 90 Deg 3. N-5 Data Package Number 5. Original Construction Cod 6. Original Installation Code 7. Work Description: Perfo 8. ISI Flaw 9. Evaluation of the suitabilit	ree Elbow 1SG02-1 e Edition: 1974 Edition, Substitution, Substitution, Wirelesser Weld Build-up/Repair of	nter 1975 Addenda The I.D. of the Elbow wh NDE Method of Flaw Do Report Number:	2865102 here counterbore end preparection:	o. violated Min. Wall.
10. Repair/Replacement Wor 11. Replacement Items Const 12. Repair/Replacement Acti 13. ASME Section XI Code/I 14. Preservice Inspection Rec Initial Los Date S Initial Los Date S Initial Los Date S Initial Los Date S Initial Los Date S	ruction or reconciled Code/E vity Construction Code/Edition: 1992 Edition and quired: 14/07 If required, if re Test Required: 14/07 If required, if 16. Include ISI & A	Edition: Sec. III Cl 2, 19 on: Sec. III Cl 2, 1974	Edition 1975 Winter Add CALD-UP WILL BECOFE IN A BECOFE IN A BECOFE IN A BECOME BECOM	nspection completed by
Item ID	*	Serial No.	Heat No.	MD/PO/WO No
8" Elbow - 90 Degree	Part No. APN 000 61187- 6769 1	NS/4	MDVS-3 ^{PC1}	MR/PO/WO No. MR 1092551
o Bloow 70 Begiee	F65 5/8/07			MIC TO 22331
,				
18. Planner Signature 19. ISI Signature 20. ANII Signature	5) 4/67 Dat 5-4-0	Printed Name: Printed Name:	R.G. HOGSTRON	P Log Entry RPK
PV216-08NI (8-88)			ta Million (1990) a di kuzi diki esergia (1996), a e	73DP-9ZZ17 Rev 9

	ASME SECTION	XI – REPAIR / REPL	ACEMENT	_
Restricted which has been considered in the control of the control	mountains agus thoughtain saonaga, gastinnas as provinces as strong of the basis	en de la la companya de la companya de la companya de la companya de la companya de la companya de la companya	Pag	e 3 of 3
1. Component ID <u>1SG011H</u>	<u>004</u>			
2 Item Description: PIPE S				
3. N-5 Data Package Number		4. W.O. Number: 2	2865102	
5. Original Construction Cod				
6. Original Installation Code			. 1	
 Work Description: <u>Relo</u> ∏ ISI Flaw 	cate the spring can rear orac	NDE Method of Flaw De		
0. [_] 1511 law		Report Number:	ection.	
9. Evaluation of the suitabilit	y of this work as per the rec			
The piping stress calculat	ion was re-analysed after th	ne U1R12 Steam Generator	replacement. The rean	alysis required that
		mately 2 inches toward the		
		ere was no failure of the pip		
Totoronos Ebon 2000 00	133 to 138001111001. The	se was no tanare or the pip	e support.	* 3 * 72 ,
10. Repair/Replacement Wor	k Organization: Arizona l	Public Service		
11. Replacement Items Cons			, 1974 Edition Winter 1	975 Addenda
12. Repair/Replacement Acti	vity Construction Code/Edi	ition: Sec. III NF Cl 2, 19	74 Edition Winter 1975	<u>Addenda</u>
13. ASME Section XI Code/	Edition: 1992 Edition an	id 1992 Addenda		
14. Preservice Inspection Red	quired:			
Initial 63 Date 5/	24/2007 If required.	, include a step in the W.O.	to perform Preservice I	Inspection
15. ASME Section XI Pressu		☐ YES ⊠ NO		
		, include a step in the W.O.	for ISI & ANII Inspect	ion
Initial kos Date 5/2	3/12001	-	•	
Initial ws Date 5		e a step in the W.O. to verif ANII prior to approving INI		completed by
Initial 60% Date 57	17. Include 17. replace	e a step in the W.O. to record	rd below all applicable	numbers for
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
-55				
				/
				
	1977 - John William D. J. J. J. J. J. J. J. J. J. J. J. J. J.			
			<u></u>	
18. Planner tal	Server 5/2	29/2007 Printed Name:	Karl V. Savage	
Signature	8 D	rate		
19. ISI Phodo	ω 5/2	9/07 Printed Name:	R.P.INDAP	RP)
Signature		rinted Name:	· · · · · · · · · · · · · · · · · · ·	Log Entry V
24	<u> </u>	7		
20. ANII Signature	. 5-29	Printed Name:	_Robert G. Hogstrom	
PV216-08NI (8-88)		· · · · · · · · · · · · · · · · · · ·		73DP-9ZZ17 Rev 9

As Required by the Provisions of the ASME Code Section XI

1. Owner: Arizon	na Public Service (Company, et. al.			Date: <u>06/</u>	29/2007	taka kirinda (m. 1944), mendenin diguna di	
<u>P. O. F</u>	Box 53999, Phoeni	x Arizona 85072-20	034		Sheet:	<u>l</u> of <u>2</u>		
2. Plant: <u>Palo V</u>	erde Nuclear Gene	erating Station			Unit: <u>1</u>			
<u>5801 S</u>	South Wintersburg	Road., Tonopah, A	rizona 8535	<u> 4-7529</u>	Work Ord	er Number	2865102	
3. Work Performe	d by: <u>Arizona Public</u>	Service			Type of Co	ode Stamp	None	
		,			Authorization No. <u>N/A</u>			
					Expiration Date <u>N/A</u>			
4. 'Identification of System: SG: Steam Generating								
5. (a) Applicable	Construction Code A	ASME Section III NC	, Class 2	974 Editio	n, <u>Summer</u>	1975 Add	enda, Co	de Case
(b) Applicable	Edition of Section 2	I Utilized for Repair	s or Replace	ments: <u>199</u>	2 Edition,	1992 Ad	denda	
6. Identification of	f Components Repai	red or Replaced and I	Replacement	Componer	nts			
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.		her ication	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)
8" Pipe - Sch 80	N/A	N/A	N/A	PSGEL01	1	2007	Replacement	NO
8"Ælbow - 90 D.	N/A	N/A	N/A	PSGEL01	1	2007	Replacement	NO
								·
	3						<u> </u>	
							,	·
7. Description of V	Vork: <u>Replace Erc</u>	oded Pipe with Stair	nless Steel,	I.A.W. E	DC 2006-	00153		
8. Test Conducted:	Hydrostatic	Pneumatic [Nomi	nal Operati	ng Pressure	e 🔲 🛚 I	Exempt [
N-4	16-2 🛛 Other	Pressure psi			Test Tem	perature	°F	
		4						
inches, (2) info	rmation in items 1	orm of lists, sketche thru 6 on this reported at the to of this t	rt is include					

	Remarks: WO# 2865102 - 1. Replaced existing erroded Carbon Steel pipe and fittings with Stainless Steel IAW Design Mod DM# 2865100 & EDC# 2006-00153. 2. Performed Weld Build-up of inside of one of the replacement Stainless Steel Elbows that was damaged while performing machining for the weld end preparation. 3. Relocated the ASME NF Spring Can rear end bracket of support 1SG011H004 to place the support over the centerline of the reworked pipe.
Pre	-Pressured Test WO Review - ISI Problem 6/29/07 ANII 75 to 7-2-01
	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.
1	Type Code Symbol Stamp N/A
	Certificate of Authorization No. N/A Expiration Date: N/A
,	Signed: The Date: 7-13-07 Owner or Owner's Designee, Title
] j	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 2-21-07 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.

PV216-08NI (8-88)

ASME SECTION XI – REPAIR / REPLACEMENT Page of 1. Component ID 1PSGEL005 and 1PSGEL014 2.. Item Description: FEEDWATER HEADER TO STEAM GENERATOR 1MRCEE01B 3. N-5 Data Package Number: 1SG02-1 4. W.O. Number: 2871246 5. Original Construction Code Edition: 1974 Edition, Summer 1975 Addenda 6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda Replace spool S-001 of line 1PSGEL014, and a portion of spool S-010 of line 1PSGEL005 (24x16 reducer 7. Work Description: and pipe between reducer and 24" tee). Use DLBB material with a minimum of 0.1% chromium. 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: Replacement with more corrosion resistant material to counter effect of flow accelerated corrosion. 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 NO PL/2 1300. 14. Preservice Inspection Required: If required, include a step in the W.O. to perform Preservice Inspection 15. ASME Section XI Pressure Test Required: \bowtie YES \square NO If required, include a step in the W.O. for ISI & ANII Inspection. Date 1 16. Include a step in the W.O. to verify NIS-2 Form has been completed by ISI & ANII prior to approving INP525 Status. 17. Include a step in the W.O. to record below all applicable numbers for replacement items. Item ID Part No. Serial No. Heat No. MR/PO/WO No. N/A 14" pipe SA 106 Gr. B APN 00070175 14" elbow SA240 Gr. APN 00070173 N/A WPL6 14" x 16" reducer SA234 N/A 2871246 Gr. WPC 60670 A871246 16" pipe SA106 Gr. C N/A APN 00070176 16" x 24" reducer SA234 APN 00066490 N/A 1887B Gr. WPC 24" Pipe SAlOLEr B APN 00070177 NIA 183371 Printed Name: HERBERT L. GREE 18. Planner 3-23-07 Printed Name: WILEY ANLSTROM Log Entry WITT Printed Name: RG HOGSTROM 3-23-07 20. ANII Date

As Required by the Provisions of the ASME Code Section XI

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1. Owner: Arizon	na Public Service (Company, et. al.			Date: 01/	<u>/29/2007</u>		
<u>P. O. I</u>	30x 53999, Phoeni	x Arizona 85072-20	<u>)34</u>		Sheet:	<u>1</u> of <u>2</u>		
2. Plant: Palo V	Verde Nuclear Gene	erating Station			Unit: <u>1</u>			
5801 S	South Wintersburg	Road., Tonopah, Ai	rizona 8535	4-7529	Work Ord	er Number	r <u>2871246</u>	
3. Work Performe	ed by: <u>Arizona Public</u>	Service			Type of Co	ode Stamp	None None	
	,		,		Authorizat	tion No.	<u>N/A</u>	
					Expiration	Date <u>N/</u>	<u>A</u>	
4. Identification of System: <u>FEEDWATER HEADER TO STEAM GENERATOR 1MRCEE01B</u>								
5. (a) Applicable	Construction Code A	ASME Section III NC	, Class 2 1	974 Edition	n, <u>Summer</u>	<u>1975</u> Add	enda, <u>N416-2</u> C	ode Case
(b) Applicable	Edition of Section X	II Utilized for Repairs	s or Replace	ments: <u>199</u>	2 Edition.	. 1992 Ad	ldenda	
6. Identification of	f Components Repai	red or Replaced and F	Replacement	Componen	its			
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Otl Identif		Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)
SG Feedwater Line SGEL014, Pipe Spool S-001	N/A	N/A .	N/A	1PSGEL0	14	2007	Replacement	NO
SG Feedwater Line SGEL005, Pipe Spool S- 010. (24" x 16" red. and pipe between red and 24" Tee only)	N/A	N/A	N/A	1PSGEL0	05	2007	Repaired	NO
(24x16 reducer and 8. Test Conducted N-4	nd pipe between re : Hydrostatic 416-2 \ \ \ \ Other	ool S-001 of line 1P. ducer and 24" tee). Pneumatic [Pressure psi orm of lists, sketche	Use DLBB Nomi	material v	with a min ng Pressure Test Tem	imum of (0.1% chromiun	<u>m.</u>
		thru 6 on this reported at the to of this t		d on each	sheet, and	(3) each	sheet is number	ered

	FORM NIS-2 (Back)
9.	Remarks: Work order 2871246. Replace spool S-001 of line 1PSGEL014, and a portion of spool S-010 of line 1PSGEL005 (24x16 reducer and pipe between reducer and 24" tee). Use DLBB material with a minimum of 0.1% chromium.
Pro	e-Pressured Test WO Review – ISI ANII AN
	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
	Signed: The Signed: 151 ENGINEER Date: 7-13-07 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 3-23-c7 to 7-13-c7, 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
	Date: 7-13-07

ASME SECTION XI – REPAIR / REPLACEMENT of 2Page 1. Component ID 1JSIAUV0651 2. Item Description: Piping and Support Modification associated with relocating valve 1JSIAUV0651. 3. N-5 Data Package Number: 4. W.O. Number: 2882735 5. Original Construction Code Edition: 1974 Edition, Winter 1975 Addenda 6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda 7. Work Description: Modification of lines 1RC-A-051-BCAA-16", 1SI-A-240-BCAA-16", 1SI-A-248-BCAA-3", (cont. blk. 9) 8. ISI Flaw N/A NDE Method of Flaw Detection: N/A Report Number: N/A 9. Evaluation of the suitability of this work as per the requirements of IWA - 4150: Work Description continued: 1SI-A-510-BCAA -3/4", supports IRC051H005, 1SI240H-014, 1SI-248-H-018, 1SI-248-H-032, 1SI-248-H-034, 1-SI-248-H-035 In accordance with WP&IR's P-SI1-1010, P-SI1-1011, P-SI1-1012, P-SI1-1013, P-SI1-1014, & P-SI1-1015. CLI 00H 27-06 10. Repair/Replacement Work Organization: Bechtel Construction 11. Replacement Items Construction or reconciled Code/Edition: Sec. III CVZ, 1974 Edition, Winter 1975 Addenda 12. Repair/Replacement Activity Construction Code/Edition: Sec. III Cl 2, 1974 Edition 1975 Winter Addenda 13. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 14. Preservice Inspection Required: □ NO Initial DBH Date 4-27-06 If required, include a step in the W.O. to perform Preservice Inspection 15. ASME Section XI Pressure Test Required: □ NO Initial De Date 4/21/06 If required, include a step in the W.O. for ISI & ANII Inspection. Initial Date 4/23/06 16. Include a step in the W.O. to complete NIS-2 Form prior to releasing the component. Initial DEA Date 4/21/06 17. Include a step in the W.O. to record below all applicable numbers for repaired or replacement items. Item ID Part No. Serial No. MR/PO/WO No. Heat No. 1PRCL051 1PSIAL240 1JSIAUV0651 1PSIAL248 1RC051H005 1SI240H014 1SI248H018 1SI248H032 4/27/06 18. Planner À Printed Name: Dale Preslar 4-27-06 Printed Name: DR HANSEN Log Entry DSH 4-27-06 Printed Name: R.C. HOCKSTROM 20. ANII Date

ASME SECTION XI – REPAIR / REPLACEMENT

Page 2 of 2

WO 2882735

	wo a	WO 2882735			
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.	
1SI248H034					
1SI248H035					
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As Required by the Provisions of the ASME Code Section XI

The second and address of the second second second second	and the control of th	THE RESERVE THE PROPERTY AND THE	Contract Contract					
1. Owner <u>Arizona</u>	Public Service Con	mpany, et. al.			Date		06/02/06	
P.O. Box	x 53999, Phoenix,	Arizona 85072	2-2034		Sheet_	1	of	2
2. Plant Palo Ver	de Nuclear Genera	ting Station			Unit		1	
·	Wintersburg Rd., T	lame					2882735 Work Order Number	
3. Work Performed b	y Bechtel Constru	ction			Type Co	de Syn	nbol Stamp	None
		ame			Authoriza	ation N	o. <u>N/</u>	'A
5801 S.	Wintersburg Rd.,	Tonopah, AZ	85354		Expiratio	n Date	N/A	A .
4. Identification of Sy	stem Safety Inje	ection					/	
(b) Applicable Ed	nstruction Code ASM ition of Section XI Utilize omponents Repaired or	ed for Repairs or	Replacemer	nts 19	<u>92</u> Edit			
Name of Item	Name of Manufacturer	Manufacturer Serial No.		:	ther fication	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)
Reactor Coolant	NA	NA	NA	1PRC	EL051	NA	Replacement	No
Safety Injection	NA	NA	NA	1PSI	AL240	NA	Replacement	No
Safety Injection	ANVIL	2006-53	NA	1SI24	10H014	2006	Replacement	Yes
Safety Injection	ANVIL	*2006-56	NA	1SI24	0H017	2006	Replacement	Yes
Reactor Coolant	NA	NA	NA	1RC0	51H005	NA	REMOVED	No
and the state of t								
7. Description of Wor 8. Test Conducted:	k See remarks on s		licates that					de case) N-416-2
	Other	Pressure 22	40 psi			Test Te	emp. <u>560</u>	_°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	•		•		

73DP-9ZZ17

			FORM NIS-	2 (Back)		
9.	The work included moving 1ISIAUV0651 (with approximately 6" of pipe on each end) and the existing 16" pipe with the 3" 1SIAL 248 branch connection to a location closer to the reactor coolant hot leg. Two new supports were added and 1RC051H005 was removed. This work was performed per DIWO 2882735. DFWO 2882666 WP&IR P - SI1 - 1013					
	Pre-Pressure	Test Review: ISI7	NII & 6-6-00		·	
	·	•	CERTIFICATE OF	COMPLIANCE		
1	B	fy that the statements ma SME Code, Section XI.	de in the report are c	orrect and this replacement co	nforms to the rules	
	Type Co	de Symbol Stamp	N/A			
	Certifica	te of Authorization No.		Expiration Date		
	Signed_	1)4H-	vner or Owner's Designee, Titl	Date Date	7-1-06	
		CERTI	FICATE OF INSE	RVICE INSPECTION		
7	Inspecto of <u>Ha</u> the perio belief, the	dersigned, holding a valid rs and the State or Provin rtford, Connecticut, dto	commission issued become an archave inspected the contract of	by the National Board of Boiler and employed by HSB CT omponents described in this Own , and state that to the best of no corrective measures described	er's Report during ny knowledge and	
	concerning neither the	ng the examinations and o	corrective measures of over shall be liable in ing from or connected		Furthermore, ry or property	
	·	The Age trans (Inspector's Signature)	Col	mmissions ~ ひら 9685 *A、み、1、C National Board, State, Provin		
	Date	7-1-06				

ASME SECTION XI – REPAIR / REPLACEMENT Page of 1. Component ID 1JSIAUV0651 2. Item Description: Piping and Support Modification associated with relocating valve 1JSIAUV0651. 3. N-5 Data Package Number: 1SI07-5 4. W.O. Number: 2882735 5. Original Construction Code Edition: 1974 Edition, Winter 1975 Addenda 6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda 7. Work Description: Modification of lines 1RC-A-051-BCAA-16", 1SI-A-240-BCAA-16", 1SI-A-248-BCAA-3", (cont. blk. 9) 8. ISI Flaw N/A NDE Method of Flaw Detection: N/A Report Number: N/A 9. Evaluation of the suitability of this work as per the requirements of IWA - 4150: Work Description continued: 1SI-A-510-BCAA -3/4", supports IRC051H005, 1SI240H-014, 1SI-248-H-018, 1SI-248-H-032, 1SI-248-H-034, 1-SI-248-H-035 In accordance with WP&IR's P-SI1-1010, P-SI1-1011, P-SI1-1013, P-SI1-1014, P-SI1-1015, and NCR-25030-820-001 issued to resolve an existing out of plumb condition. 10. Repair/Replacement Work Organization: Bechtel Construction 11. Replacement Items Construction or reconciled Code/Edition: Sec. III Cl 1, 1974 Edition, Winter 1975 Addenda 12. Repair/Replacement Activity Construction Code/Edition: Sec. III Cl 1, 1974 Edition 1975 Winter Addenda 1992 Edition and 1992 Addenda 13. ASME Section XI Code/Edition: 14. Preservice Inspection Required: ✓ YES □ NO Initial OBH Date 5-6-06 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 Date 5-5-06 16. Include a step in the W.O. to complete NIS-2 Form prior to releasing the Initial DSA Date 5-05-06 component. 17. Include a step in the W.O. to record below all applicable numbers for repaired or Initial DSA Date 5-5-06 replacement items. MR/PO/WO No. Item ID Part No. Heat No. Serial No. 1PRCL051 1PSIAL240 1JSIAUV0651 1PSIAL248 1RC051H005 1SI240H014 1SI248H018 1SI248H032 18. Planner Printed Name: Dale Preslar Printed Name: D.B. Hanser Log Entry OOH 5-6-06 9. ISI

5-6-06

20. ANII

Printed Name: R.G. HOGSTROM

ASME SECTION XI - REPAIR / REPLACEMENT

Page 2 of 2

Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
0104011004				
S1248H034			:	
ISI248H035				
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As Required by the Provisions of the ASME Code Section XI

		<u></u>				*		
1. Owner <u>Arizona</u>	Public Service Con	mpany, et. al. Name			Date		06/02/06	
<u>P.O. Bo</u>	P.O. Box 53999, Phoenix, Arizona 85072-2034 Sheet 1						of	2
2. Plant Palo Ver	rde Nuclear Genera	ating Station			Unit		1	
5801 S.	Wintersburg Rd., 7	_{lame} Conopah, Arizo	ona 85354-	7529		•	2882735	
		Address					Work Order Number	
3. Work Performed b	Bechtel Constru	ction			Type Co	de Syr	nbol Stamp	None
, manie					Authoriz	ation N	oN	/A
5801 S. Wintersburg Rd., Tonopah, AZ 85354					Expiration Date N/A			
	A	ddress			. '	-		
4. Identification of Sy	stem Safety Injusted	ection						
E (a) Applicable Co	nstruction Code ASM	ME Section III	10.74	Edition	W 75	٨٨٨	nda * a+ **	Codo Coso
5. (a) Applicable Co	ristruction Code ASIV	TE Section III	19 /4	Edition	, <u>w</u> /5	_ Adde	inua, <u>" OI "" </u>	Code Case
(b) Applicable Ed	ition of Section XI Utiliz	zed for Repairs or	Replacemen	nts 19	<u>92</u> Edit	tion, _	Adder Adder	nda /
6 Identification of Co	omponento Denoired e	r Donloand and D		^	nanta			
6. Identification of Co	omponents Repaired or	i nepiaceu anu n	iepiacement (Compo	nems			
Name of	Name of	Manufacturer			ther	Year		ASME Code Stamped
Item	Manufacturer	Serial No.	Board No.	Ident	ification	Built	Replacement	(Yes or No)
Safety Injection	NA	NA	NA	1PS	SIL248	NA	Replacement	No
Safety Injection	ANVIL	*2006-54	. NA	1SI2	48H018	2006	Replacement	Yes
Safety Injection	ANVIL	*2006-48	NA	1SI2	48H032	2006	Replacement	Yes
Safety Injection	ANVIL	*2006-49 & 50	NA	1SI2	48H034	2006	Replacement	Yes
Safety Injection	ANVIL	** 2006-51	NA	1SI2	48H035	2006	Replacement	Yes

			<u> </u>			L	L	L
7. Description of Wor	k See remarks on	sht 2. (* indica	ites that the	NF-	l referer	nces N	V249; ** indic	ates N-71)
8. Test Conducted:	Hydrostatic P	neumatic 🔲	Nominal Ope	erating	Pressure		Exempt	N-416-2 🗹
	Other 🛄	Pressure 22	40 psi			Test Te	emp. <u>560</u>	_°F
	·							
NOTE: Supplemen	ital sheets in form of	liete ekatehae	or drawings	may	ha usad	provid	Had (1) siza is 8	1/2 v 11 in
	ems 1 through 6 on							
the number of sheet	ets is recorded at the	top of this form	າ.					

PV-E0092 Ver. 7 73DP-9ZZ17

FORM NIS-2 (Back)

9. Remarks <u>-</u>	The work included reror	ting 1JSIAL 248 in conju	nction with valve LISIAUV065 up installed on 1SI248H018 to s	1 being moved.
			d per DIWO 2882735	
_		DEV	WO 2882666	3
_		· WP	&IR P - SI1 - 1010, 1011, 1014	
Pre-Pressure T	est Review: ISI	WII /2 00		
	C	ERTIFICATE OF CO)MPLIANCE	
· ·	that the statements made	de in the report are correc	ct and this replacement conformation conformation replacement	orms to the rules
Type Code	Symbol Stamp	N/A		
Certificate	of Authorization No.	N/A	Expiration Date	
Signed	DB16	- EA	14/C Date	7-1-06
		Tier or exmiss o boolgroop, tike		,
	CERTI	FICATE OF INSERV	ICE INSPECTION	
Inspectors of <u>Harti</u> the period belief, the 0	and the State or Province ord, Connecticut, to s-c-oc to Dwner has performed expressions.	ce of ARIZONA and er nave inspected the compo	onents described in this Owner and state that to the best of my brrective measures described in	s Report during knowledge and
concerning neither the	the examinations and o	corrective measures desc	loyer makes any warranty, expr ribed in this Owner's Report. F manner for any personal injury this inspection.	urthermore,
	a 1055 of arry kind arisin			
	24 do tone (Inspector's Signature		SSIONS ~& 9685 "A, N, I, C' National Board, State, Province,	' Az Z64 and Endorsements

PV-E0092 Ver. 7 BACK

			Page	1 of 2			
1. Component ID 1JSIAUVO			,				
2 Item Description: Piping and Support Modification associated with relocating valve 1JSIAUV0651.							
_	3. N-5 Data Package Number: 1SI07-5 4. W.O. Number: 2882735						
 Original Construction Code Edition: 1974 Edition, Winter 1975 Addenda Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda 							
_	ification of lines 1RC-A-05		BCAA-16" 1ST-A-248.	-BCAA-3" (cont blk 9)			
8. ISI Flaw N/A	neation of times TRC-A-03	NDE Method of Flaw De		Deray (com. bik. 7)			
0	•	Report Number: N/A					
9. Evaluation of the suitability	y of this work as per the rec	•					
Work Description continued:	1SI-A-510-BCAA -3/4", s	supports IRC051H005, 1SI	240H-014, 1SI-248-H-	018, 1SI-248-H-032,			
1SI-248-H-034, 1-SI-248-H-0	35 In accordance with WP	&IR's P-SI1-1010, P-SI1-1	011, P-SI1-1013, P-SI	1-1014, P-SI1-1015,			
and NCR-25030-820-001 issu							
				•			
10. Repair/Replacement Work							
11. Replacement Items Const							
12. Repair/Replacement Activ	_		Edition 1975 Winter A	<u>ddenda</u>			
13. ASME Section XI Code/I							
14. Preservice Inspection Rec	lured:						
Initial OBH Date 5	Initial O3H Date 5-6-06 If required, include a step in the W.O. to perform Preservice Inspection						
15. ASME Section XI Pressu	re Test Required:	☑ YES □ NO	•				
Initial Deb Date S	-5-06 If required	, include a step in the W.O	. for ISI & ANII Inspec	tion.			
Initial Date S	16. In	nclude a step in the W.O. to	complete NIS-2 Form	prior to releasing the			
Initial Date S	-03 -016 co	omponent.	,	5			
Initial <u>DSA</u> Date <u>S</u>	17. Include replacement	e a step in the W.O. to recont items.	ord below all applicable	numbers for repaired or			
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.			
1PRCL051			·				
1PSIAL240	,						
1JSIAUV0651							
1PSIAL248							
1RC051H005							
1SI240H014							
1SI248H018							
1SI248H032							
18. Planner Signature	wer 5-5-6	Printed Name:	Dale Preslar				
10 101	C (nutre 137	S @ 1/2 1	I - DONH			
19. ISI Signature	. 5-6 ·	Oate Printed Name:	D.B. Hanser	Log Entry			
20. ANII 25 Lytter	S-6-	- Oc Printed Name	R.G. HOGISTR	,o <i>M</i>			
Signature		Date Finited Name:					

ASME SECTION XI - REPAIR / REPLACEMENT

PV216-08NI (8-88

As Required by the Provisions of the ASME Code Section XI

1. Owner: Arizon	na Public Service (Company, et. al.		Date: <u>5/1</u>	<u>19/06</u>	-	
<u>P. O. F</u>	30x 53999, Phoeni	x Arizona 85072-20	<u>034</u>	Sheet:	<u>1</u> of <u>2</u>	•.	
2. Plant: Palo V	erde Nuclear Gene	erating Station		Unit: 1			. •
5801 South Wintersburg Road., Tonopah, Arizona 85354-7529 Work Order Number 2882735							
3. Work Performed by: Bechtel Construction Type of Code Stamp None							
5801 South Wintersburg Road., Tonopah, Arizona 85354-7529 Authorization No. N/A							
Expiration Date N/A							
4. Identification of	f System: SI & RC		F 08H_21				
5. (a) Applicable	Construction Code A			974 Edition, Winter 1	1975 Adde	nda, <u>N/A</u> Code (Case
(b) Applicable	Edition of Section >	(I Utilized for Repairs	s or Replacer	nents: 1992 Edition	, 1992 Ac	ldenda	,
6. Identification of	f Components Repai	red or Replaced and I	Replacement	Components			
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired or Replacement	ASME Code Stamped
		1 .	1 1		1		1 /Vecor
04 PC 054 H 004	NT/A	, , , , , , , , , , , , , , , , , , ,	NT/A	Dina Cumport	NT/A	Permanently	(Yes or No)
01-RC-051-H-004	N/A	N/A	N/A	Pipe Support	N/A	Removed	No) NO
01-RC-051-H-004 01-RC-070-H-00A	N/A N/A	N/A N/A	N/A N/A	Pipe Support Pipe Support	N/A N/A	Removed Permanently Removed	No)
					 	Removed Permanently Removed Permanently Removed	No) NO
01-RC-070-H-00A	N/A	N/A	N/A	Pipe Support	N/A	Removed Permanently Removed Permanently Removed Permanently Removed	No) NO NO
01-RC-070-H-00A 01-RC-051-H-001	N/A N/A	N/A N/A	N/A N/A	Pipe Support	N/A N/A	Removed Permanently Removed Permanently Removed Permanently	NO NO NO
01-RC-070-H-00A 01-RC-051-H-001 01-CH-008-H-0AG	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	Pipe Support Pipe Support	N/A N/A N/A	Removed Permanently Removed Permanently Removed Permanently Removed Permanently	NO NO NO
01-RC-070-H-00A 01-RC-051-H-001 01-CH-008-H-0AG 01-RC-051-H-822 01SI-240-H-823 7. Description of V	N/A N/A N/A N/A N/A N/A N/A Work: Piping desig	N/A N/A N/A N/A N/A n/A n modification associ	N/A N/A N/A N/A N/A niated with the	Pipe Support Pipe Support Pipe Support Whip Restraint	N/A N/A N/A N/A N/A N/A	Removed Permanently Removed Permanently Removed Permanently Removed Permanently Removed Permanently Removed	NO NO NO NO NO NO NO NO
01-RC-070-H-00A 01-RC-051-H-001 01-CH-008-H-0AG 01-RC-051-H-822 01SI-240-H-823 7. Description of V	N/A N/A N/A N/A N/A Work: Piping desig	N/A N/A N/A N/A N/A n modification associ	N/A N/A N/A N/A N/A iated with the oports in according	Pipe Support Pipe Support Pipe Support Whip Restraint Whip Restraint	N/A N/A N/A N/A N/A 1JSIAUVO	Removed Permanently Removed Permanently Removed Permanently Removed Permanently Removed Permanently Removed	NO NO NO NO NO NO NO NO
01-RC-070-H-00A 01-RC-051-H-001 01-CH-008-H-0AG 01-RC-051-H-822 01SI-240-H-823 7. Description of VBCAA-16" and # 1 8. Test Conducted	N/A N/A N/A N/A N/A Work: Piping desig SI-A-240-BCAA-16	N/A N/A N/A N/A N/A n modification associ	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	Pipe Support Pipe Support Pipe Support Whip Restraint Whip Restraint e relocation of valve 1 ordance WPIR P- SI1- nal Operating Pressure	N/A N/A N/A N/A N/A 1JSIAUVO	Removed Permanently Removed Permanently Removed Permanently Removed Permanently Removed Permanently Removed Permanently Removed	NO NO NO NO NO NO NO NO

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

FORM N	IS-2 (Back)
9. Remarks: Work is to be performed in accordance with DF	WO 2882666, DIWO 2882735 and WPIR P-SI1-1012
Pre-Pressured Test WO Review – ISI	
ANIIA	•
Certificate of	of Compliance
We certify that the statements made in the report are considered ASME Code, Section XI.	orrect and this replacement conforms to the rules of the
Type Code Symbol Stamp N/A	
Certificate of Authorization No. N/A	•
Signed: Owner or Owner's Designee, Title	NGR Date: 5-23-06
	·
de area personal formation and the large transfer executive a colorada formation after the standard design of the color of the standard design of the color of th	ova (III. s. przeprze przez Przepie Wielegia w Project (III. n. 1996 - 1994) w podece (III. 1996 - 1996) w podece (III. 1996) w podece
CERTIFICATE OF INS	SERVICE INSPECTION
Inspectors and the State or Province of <u>Arizona</u> and en inspected the components described in this Owner's reto, and state that to the best	h by the National Board of boiler and Pressure Vessel imployed by HSB CT of Hartford, Connecticut, have eport during the period of S-4-04 of my knowledge and belief, the Owner has performed bed in this Owner's Report in accordance with the
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 modes of any kind arising from or connected with this inspector.	described in this Owner's report. Furthermore, neither nanner for any personal injury or property damage or a
Inspectors Signature	Commissions: NB 9685 ANIC AZ 264 National Board, State, Province, and Endorsements
Date: 5-26-06	

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

1. Owner: Arizon	1. Owner: Arizona Public Service Company, et. al. Date: 5/19/06							
<u>P. O. E</u>	Box 53999, Phoeni	x Arizona 85072-20)34		Sheet:	<u>1</u> of <u>2</u>		
2. Plant: Palo V	2. Plant: Palo Verde Nuclear Generating Station Unit: 1							
5801 South Wintersburg Road., Tonopah, Arizona 85354-7529 Work Order Nur						er Number	2882735	
3. Work Performed by: Bechtel Construction Type of Code Stamp None								
5801 South Wintersburg Road., Tonopah, Arizona 85354-7529 Authorization No. N/A								
Expiration Date N/A								
4. Identification of	f System: SI & RC							
5. (a) Applicable	Construction Code A	ASME Section III NC	Class 2	974 Editio	n, <u>Winter 1</u>	975 Adde	nda, <u>N/A</u> Code (Case
(b) Applicable	Edition of Section >	I Utilized for Repair	s or Replace	ments: <u>199</u>	2 Edition	1992 Ac	ldenda	
6. Identification of	6. Identification of Components Repaired or Replaced and Replacement Components							
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board		Other Y dentification B		Repaired or Replacement	ASME Code
item	Manufacture	Serial No.	No.	Identi	ication	Built		Stamped (Yes or No)
01-RC-051-H-004	N/A	N/A	N/A	Pipe S	Support	N/A	Permanently Removed	NO .
01-RC-070-H-00A	N/A	N/A	N/A	Pipe S	Support	N/A	Permanently Removed	NO
01-RC-051-H-001	N/A	N/A	N/A	Pipe S	Support	N/A	Permanently Removed	NO
01-CH-008-H-0AG	N/A	N/A	N/A	Pipe S	Support	N/A	Permanently Removed	NO
01-RC-051-H-822	N/A	N/A	N/A	Whip F	Whip Restraint		Permanently Removed	NO
01SI-240-H-823	N/A	N/A	N/A	Whip F	Restraint	N/A	Permanently Removed	NO
		gn modification assoc 6" and associated sup					0651, lines # 1R	C-A-051-
8. Test Conducted	l: Hydrostatic	Pneumatic [Nomi	inal Operat	ing Pressur	e 🗌	Exempt 🛚	
N	416-2 Other	r Pressure ps	i		Test Ten	nperature	°F	
inches, (2) info	ormation in items	form of lists, sketch I thru 6 on this repo ded at the to of this	ort is include					

9. Remarks: Work is to be performed in accordance we have a second secon	with DFWO 2882666, DIWO 2882735 and WPIR P-SI1-1012
Pre-Pressured Test WO Review – ISI	· ·
Pre-Pressured Test WO Review – ISI	
ANII	
	· · · · · · · · · · · · · · · · · · ·
Certifi	icate of Compliance
We certify that the statements made in the repor ASME Code, Section XI.	rt are correct and this replacement conforms to the rules of the
Type Code Symbol Stamp	<u>N/A</u>
Certificate of Authorization No.	N/A Expiration Date: N/A
Signed:	ENGR Date: 5-23-06
Owner or Owner's Designee,	, little

CERTIFICATE OF INSERVICE INSPECTION

Date:

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI 1. Owner Arizona Public Service Company, et. al. Date 06/02/06 P.O. Box 53999, Phoenix, Arizona 85072-2034 Sheet 1 of Address 2. Plant Palo Verde Nuclear Generating Station _____ Unit _____ 5801 S. Wintersburg Rd., Tonopah, Arizona 85354-7529 2882735 Work Order Number None 3. Work Performed by Bechtel Construction Type Code Symbol Stamp N/A Authorization No. N/A 5801 S. Wintersburg Rd., Tonopah, AZ 85354 Expiration Date Safety Injection 4. Identification of System 5. (a) Applicable Construction Code ASME Section III 1974 Edition, W 75 Addenda, *N-249 Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 92 Edition, 92 Addenda 6. Identification of Components Repaired or Replaced and Replacement Components Repaired ASME Code Name of Manufacturer National Other Year Name of Stamped Item Manufacturer Serial No. Board No. Identification Built Replacement (Yes or No) Reactor Coolant NA NA NA 1PRCEL051 Replacement NA No NA NA 1PSIAL240 Safety Injection NA NA Replacement No ANVIL 2006-53 NA 1SI240H014 2006 Replacement Yes Safety Injection *2006-56 2006 Replacement Safety Injection ANVIL NA 1SI240H017 Yes Reactor Coolant NA NA NA 1RC051H005 NA No REMOVED 7. Description of Work See remarks on sheet 2. (* indicates that the NF-1 references the above code case) 8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt N-416-2 Other | Pressure 2240 psi Test Temp. 560

(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.

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

PV-E0092 Ver. 7

FORM NIS-2 (Back)

		moving 1ISIAUV0651 (with approint the 3" 1SIAU 248 branch connection to the state of the state o		
	coolant hot leg. Two	o new supports were added and 1R		
	performed per DIW	O 2882735	2882666	
			P-SI1-1013	
Pre-Pressur	e Test Review: ISI	6 ANII & 6-6-00		
	•	CERTIFICATE OF COMP	PLIANCE	
	ify that the statements SME Code, Section X	s made in the report are correct and	d this replacement confo	rms to the rules
Туре Со	ode Symbol Stamp	N/A		
Certifica	ate of Authorization No	o. <u>N/A</u>	Expiration Date	N/A
Signed	Det	- ENGR	Date	1-1-06
•		Owner or Owner's Designee, Title		
	CE	ERTIFICATE OF INSERVICE	INSPECTION	
	•	valid commission issued by the Na		Pressure Vesse
-		t, have inspected the componen		s Report during
01	od 4-27-06	to, and and taken correc		_
the period belief, th	ne Owner has perform	e requirements of the ASME Code,		
the period belief, the Report in By significant concernations and the significant concernation of the significant concernation	ne Owner has perform n accordance with the ng this certificate, nei- ing the examinations the Inspector nor his e		, Section XI. r makes any warranty, expr d in this Owner's Report. F nner for any personal injury	urthermore,
the period belief, the Report in By significant concernations and the significant concernations are significant to the significant concernation of the signifi	ne Owner has perform n accordance with the ng this certificate, nei- ing the examinations the Inspector nor his e	e requirements of the ASME Code, ither the Inspector nor his employed and corrective measures described employer shall be liable in any man arising from or connected with this	, Section XI. r makes any warranty, expr d in this Owner's Report. F nner for any personal injury	urthermore, or property

	ASME SECTION	XI – REPAIR / REPI	LACEMENT	
			Pa	ge of t
8. ISI Flaw N/A9. Evaluation of the suitabilit	t Removal associated with: 1SI07-5 le Edition: 1974 Edition, Wification of deactivated supersylventies work as per the reconstruction.	4. W.O. Number: Winter 1975 Addenda Vinter 1975 Addenda ports, (cont. blk. 9) NDE Method of Flaw De Report Number: N/A quirements of IWA - 4150:	2882735 etection: N/A	
Work Description continued: 008-H-0AG (1) Rear bracket				•
clamp, 1RC062H020 (2) Real 10. Repair/Replacement World 11. Replacement Items Constitute 12. Repair/Replacement Activate 13. ASME Section XI Code/Ital Preservice Inspection Recommendation Initial DASH Date 6-15. ASME Section XI Pressur Initial Date Section Init	k Organization: Bechtel Cruction or reconciled Code, vity Construction Code/Edition: 1992 Edition an quired: - T-06 If required, re Test Required: - 5-0 6 If required, 16. In code	Construction /Edition: Sec. III Cl 1, 19 ition: Sec. III Cl 1, 1974 in include a step in the W.O. Tyes No include a step in the W.O. clude a step in the W.O. clude a step in the W.O. to omponent. e a step in the W.O. to reco	74 Edition, Winter 197 Edition 1975 Winter Ad to perform Preservice for ISI & ANII Inspec	75 Addenda ddenda Inspection tion. prior to releasing the
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
1SI240H012				4
1RC051H004				
1CH008HOAG		·		
1RC070H00A		:		
1RC051H001			,	
1RC062H020			·	
1RC071H00E			·	· .
18. Planner Signature	- Rulais 5-5	Printed Name:	Dale Preslar	e ger
19. ISI The Signature	5- 5-6	Printed Name:	DB Hansen	Log Entry DBH
20. ANII Lys horm	5-C-c	Printed Name:	R.G. HOGESTRO	on

ASME SECTION XI - REPAIR / REPLACEMENT

Page _2_ of _2_

Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
rem io	гап но.	Serial No.	neal NO.	WIR/PU/VVU NO.
SI248H034				
1SI248H035			·	
				·
	<u> </u>			
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	_			
_				
	·			
		· · · · · · · · · · · · · · · · · · ·		
				<u> </u>
			·	

			Page	l ofl			
1. Component ID <u>1JSIBUV</u>	0652						
2 Item Description: Shutdo		olation Valve					
3. N-5 Data Package Number		4. W.O. Number: <u>2</u>	<u>885960</u>				
5. Original Construction Cod							
6. Original Installation Code							
7. Work Description: Repl	ace the valve components as			-			
8. SI Flaw		NDE Method of Flaw Det	ection:				
9. Evaluation of the suitability	y of this work as per the red	Report Number:					
y. Evaluation of the suitability	y of this work as per the req	differents of 144 A = 4150.					
LIKE	for Like R	Replacemen	,T				
÷			Mary of the second seco				
10. Repair/Replacement Wor							
11. Replacement Items Cons							
12. Repair/Replacement Acti			dition 1975 Winter Add	<u>lenda</u>			
13. ASME Section XI Code/	Edition: 1992 Edition and	· · · · · · · · · · · · · · · · · · ·		,			
14. Preservice Inspection Rec	quired:	☐ YES ☐ NO					
Initial <u>M</u> Date	If required,	include a step in the W.O. t	o perform Preservice Ir	spection			
15. ASME Section XI Pressu	re Test Required:			·			
Initial <u>J. 2</u> Date <u>4</u>	1-53-06 If required,	include a step in the W.O. 1	For ISI & ANII Inspection	on.			
Initial Ja Date 4		a step in the W.O. to comp	lete NIS-2 Form prior t	o releasing the			
Initial Date 4	component.						
Initial J. O Date 4	17. Include replacement	a step in the W.O. to record titems.	d below all applicable n	umbers for repaired or			
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.			
43550612(Cap)	43550612	NΑ	1492NA	10937/1-2			
4506030 (Bonnet)	4506.0309	215873-2	215873-2	1093711-1			
** ***			· .				
	·						
18. Planner Signature	fa. 4.5.	Printed Name: <u>Ja</u>	ames I. Davis				
19. ISI Signature	19. ISI // 4-22-66 Printed Name: RLBROWN Og Entry RB						
20. ANII Zd Jozzon	4-22-c		Rla Hoastron				
PV21608NI (8-88)	Control of the Contro	an kanandaran penganan menganggan alam dan bandaran bandaran berawa kelalah dan bera	entre a sur el martino de la companio de la estada de la companio de la companio de la companio de la companio	73DP-9ZZ17 Rev 9			

ASME SECTION XI - REPAIR / REPLACEMENT

As Required by the Provisions of the ASME Code Section XI

1.	Owner:	Arizona Public Service Company, et. al.		Date:	05/04/2006
			,		

<u>P. O. Box 53999, Phoenix Arizona 85072-2034</u> Sheet: <u>1</u> of <u>2</u>

2. Plant: Palo Verde Nuclear Generating Station Unit: 1

5801 South Wintersburg Road., Tonopah, Arizona 85354-7529 Work Order Number 2885960

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 NB, Class 1 1974 Edition, Winter 1975 Addenda, MA 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)
Valve	Borg-Warner	26234	719	1JSIBUV0652	1978	Repaired	YES
Bonnet	Borg-Warner	215873-2	N/A	1JSIBUV0652	2006	Replaced	YES
Cap	N/A	Ht# 149ZNA	N/A	1JSIBUV0652	2006	Replaced	NO

7.	Description of	Work:	Replace the bonnet assembly

8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt

N-416-2 Other Pressure 2240 psi Test Temperature 560 °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)
	net assembly due to damage found when the valve was disassembled. A cap or the requirements of Specification 13-PN-204.
Pre-Pressured Test WO Review – ISI	NA
ANII	MA
	Certificate of Compliance
We certify that the statements made in Code, Section XI.	the report are correct and this repair conforms to the rules of the ASME
Type Code Symbol Stamp	N/A
Certificate of Authorization No.	N/A Expiration Date: N/A
Signed: DR-1	ENGR Date: 7-1-06
Owner or Owner's	s Designee, Title
CERTIFICA	TE OF INSERVICE INSPECTION
Inspectors and the State or Province of inspected the components described in to, and state	mmission 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 4-22-06 that to the best of my knowledge and belief, the Owner has performed leasures described in this Owner's Report in accordance with the on XI.
concerning the examinations and correct	Inspector nor his employer makes any warranty, expressed or implied, extive measures described in this Owner's report. Furthermore, neither liable in any manner for any personal injury or property damage or a ted with this inspection.
Inspectors Signature	Commissions: NB 9685 "N" "I" AZ264 National Board, State, Province, and Endorsements
Date: 7-1-06	·

PV21G-08NI (8-88)

FORM N-2 C. FICATE HOLDERS' DATA REPORT FOR DENTICAL 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_

	LIC SERVICE 4 MILES SOU	iname and address of Purchaser	•	ī
ation of installation ARTZONA	PURCIC SERVICE 4 KILES	SOUTH OF WINTERSBURG,	WINTERSBURG, A	RIDONA 85343
76933 XEV_A	SA-182 F316	75,000 PSI	N/A	1991
(drawing no.)	imet'i. soed. ng.)	(tenese strength)	(CRN)	(year built)
SME Code, Section III, Division	1:	WINTER 1975	[class)	K/A (Code Case no.)
eneated in accordance with Co	nant Sana (Dh. 2 anhi)	X/X Revision	N/A	Date X/X
ः		(no.)		/
marks: BE/IP JOB NO.	901-6-2127	PART WANT		برجانا استبادات والمستبين المستباد المستباط والمستبال والمستبا
		•	QUALIT	Y DOCUMENTS
RVINGSTATIC	PASTONG NOT PREFORMED.		PAGE_	26 of 208
m. thickness (in.) N/A	Min. design thickness (in.)	1/A Die, ID (ft & in.)	N/A Length	overall (ft & in.) N/A
on applicable, Certificate Hold				
Part or Appurtenence	Netional	Part or Appu	rtenance	National
Serial Number	Board No.	Serial Nu	mber	Board No.
	in Numerical Order	1		in Numerical Order
21.5873-1		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
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'A'	K/A	(27)		
(3)		(28)		
(5)		(30)		
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(7)		(33)		
(8)		(33)		
	La la comparti del la comparti de la			
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(*) <u>1 </u>	Indiana 1 1	(34)		
		(35)		
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21		(35)		
(3)		(35) (36) (36)		
(5) (2) (4) (5)		(35) (36) (37) (38) (59) (40) (41)		
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(5) (2) (3) (4) (5) (6) (7) (8)		(35) (36) (37) (38) (59) (40) (41) (42)		
(5) (2) (3) (4) (5) (6) (7) (18) (19)		(35) (36) (36) (38) (38) (59) (40) (41) (42) (43)		
(5) (2) (3) (4) (5) (6) (7) (18) (19) (20) (21)		(35) (36) (37) (38) (39) (40) (41) (42) (43) (44)		
(5) (2) (4) (5) (6) (7) (8) (9) (9) (20) (21)		(35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45)		
(5) (2) (3) (4) (5) (6) (7) (18) (19) (20) (21)		(35) (36) (37) (38) (40) (40) (41) (42) (43) (44) (45) (46)		

Supplemental Information in the form of lists, sketches, or drawings may be used provided (1) size is 8 ½-× 11, (2) information in items 2 and 3 on this Data Report producted on each sheet, (3) sech sheet is numbered and the number of sneets is recorded at the top of this form.

This form (600040) may be obtained from the Order Dopt., ASME, 22 Law Orlve, Box 2300, Feirfield, NJ 07007-2300





	Certificate Hold	der's Senal Nos. 215873	-1 through 215873-	2
	CERTIFICATION OF DES	SIGN		
Design specifications certified by:	N/A (when applicable)	P.E. State	E/A Seg. no. N/J	
Design report* certified by	N/A (when applicable)	P.E. State	X/A Reg. no. X/3	<u>.</u>
	CERTIFICATE OF COMPLI	IANCE		
We certify that the statements made in this reconforms to the rules of construction of the A		BORRET		
NPT Certificate of Authorization No Oats <u> </u>		Expires	Julie 10, 1993	
	CERTIFICATE OF INSPEC			
I, the undersigned, holding a velid commission CALIFORNIA and employed by	n issued by the National Board of Boild ARRESTGET MITTIAL	er and Pressure Vessel insol LIBS. CO. FACTORY SUI	ectors and the State or Provin	of
of ROSSCOD, 15.55. heve inspected			1, 1991, and state that t	to the
best of my knowledge and belief, the Certifica	ste Holder has fabricated these parts	or appurtanances in accorda		
III, Division 1. Soch part lieted has been autho	rized for stamping on the date shown	above.		
By signing this certificate, neither the inspect		•	-	
in this Cast Report. Furthermore, neither the i		ole in any manner for any per 	sonal injury or property dama	or Os
obale.	1 24	117	sat.	
Oate A4 UTL Signed	Authorised inspectors	Commissions (Nac1, 8d, 14	III, endorsemental and state or prov. a	nd ino.i

P.O. No. 60203 > SS QUALITY DOCUMENTS PAGE 27 01286

	ASME SECTION A	I – REPAIR / REFL	•	igeof
1. Component ID 1JSIAUV	70651			
-	own Cooling from Loop 1 Iso	lation Valve		
3. N-5 Data Package Numbe		4. W.O. Number: 2	2886503	
•	de Edition: 1974 Edition, W			
	Edition: 1974 Edition, Wir			
	lace the valve components as		e	
8. ISI Flaw		NDE Method of Flaw De		•
0		Report Number:		
9. Evaluation of the suitabili		·	. 1	
Penlal	e ment of the agi	te to correct s	zeat-leakag	e ~
No film	ement of the 94 inverse we are the pressure	me retaining	part.	
140 1412	ore press			
S				
$\frac{A^{N_1}}{2\pi}$ (1)				
10. Repair/Replacement Wo	ork Organization: Arizona Pu	ublic Service		i
11. Replacement Items Cons	struction or reconciled Code/E	Edition: Sec. III Cl 1, 19	74 Edition 1975 Wint	er Addenda
12. Repair/Replacement Act	ivity Construction Code/Editi	on: Sec. III Cl 1, 1974 I	Edition 1975 Winter A	Addenda
13. ASME Section XI Code	/Edition: 1992 Edition and	1992 Addenda		
14. Preservice Inspection Re	equired:	☐ YES 🖾 NO		
Initial Date	If required, i	nclude a step in the W.O.	to perform Preservice	e Inspection
15. ASME Section XI Pressi	ure Test Required:	RRI 6/29/06 NO		
Initia Date		nclude a step in the W.O.	for ISI & ANII Inspe	ction.
	16 Include			
Initial J. 6 Date 4	(-33-06 component.	a step in the W.O. to com	piete Mis-2 Form pric	or to releasing the
,	•			
Initial T Date 2	replacement	a step in the W.O. to reco	rd below all applicable	e numbers for repaired or
Ostem ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
DO CAN	APN#45040097) 9	12/0	109173Z
0,71,0	5 OK 6/30 106	10	M / N	177
GATE	APN=450,0092	19	/*/A	MR# 1092733
,				_
·	<u> </u>		<u> </u>	
			·	
	[
	1/ 1/00	· ·		
18. Planner	Ja 4-32	Printed Name:	James I. Davis	
Signature		e		
19. ISI	9 4/22/06	Printed Name:	P.L. BROWN	MKog Entry DLR
Signature	Date	2		
20 NW 04/-	4-22-06		0/1	•
20. ANII Signature	Date		R.G. HOGSTROM	
PV216-08NI (8-88)			et liefe tien is voor die verken verken die voor voor voor voor die kaanse voor verke van de kaanse voorste verke ve	73DP-9ZZ17 Rev 9

As Required by the Provisions of the ASME Code Section XI

1.	Owner:	Arizona	Public Service Co	ompany, et. al.		Date	: 06/30/200)6	
		<u>P. O. Bo</u>	x 53999, Phoenix	<u> Arizona 85072-20</u>)34	Shee	et: <u>1</u> of	<u>2</u>	,
2.	Plant:	Palo Ver	de Nuclear Genera	ating Station		Unit	: 1		•
		5801 So	uth Wintersburg Ro	oad., Tonopah, A	rizona 853 <u>5</u> 4-	-7529 Wor	k Order Nur	nber 2886503	
3.	Work P	erformed	by: <u>Arizona Public S</u>	Service Co.		Тур	e of Code Sta	amp <u>None</u>	
	<i>;</i>		5801 S. Wintersb	urg Rd., Tonopah,	Arizona, 85354	1-7529 Autl	orization No	o. <u>N/A</u>	
Expiration Date N/A									
4.	Identifi	cation of S	System: Safety Injec	ction System (SI)				6 <i>5</i> °	
5.	(a) App	plicable Co	onstruction Code AS	ME Section III NB	, Class 1	1974 Edition, <u>W</u>	nter 1975 A	ddenda, <u>N/A</u> Cod	e Case
	(b) Ap	plicable E	dition of Section XI	Utilized for Repair	s or Replaceme	ents: 1992 Edit	ion, 1992 A	ddenda	
6.	Identifi	cation of C	Components Repaired	d or Replaced and I	Replacement C	omponents			
	Nam Iter		Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or NO)
	Val	ve	Borg-Warner	26233	675	1JSIAUV0651	1978	Repaired	Yes
	Gat	te	Borg-Warner	19	N/A	1JSIAUV0651	2006	Replacement	Yes
		,							
		- 2							
					·				
					,				
7.	Descrip	tion of Wo	ork: Replaced valve	disc.			_ L		-
8.	Test Co	nducted:]	Hydrostatic	Pneumatic	Nominal Oper	rating Pressure	Exen	npt 🛛 N-410	5-2 🔲
		Other	Press	ure <u>N/A</u> psi		. Te	st Temperatu	nre <u>N/A</u> °F	
		~ ~	nental sheets in for mation in items 1 th		_	•	•		

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

FORM N	NIS-2 (Back)
W.O. 2886503 replaced gate in valve 1JSIAUV651.	
•	
Pre-Pressure Test W.O. Review - ISI:	· · · · · · · · · · · · · · · · · · ·
ANII :	
Certificate	of Compliance
We certify that the statements made in the report are the ASME Code, Section XI.	correct and this replacement conforms to the rules of
Type Code Symbol StampN/A	•
Certificate of Authorization No. N/A	Expiration Date: N/A
0: 1 > 7 - 1 2	16.164
Signed: Dr. Browney Owner's Designee, Title	
CERTIFICATE OF IN	SERVICE INSPECTION
CERTIFICATE OF IIV	BERVICE INSI ECTION
I, the undersigned, holding a valid commission issue	ed by the National Board of boiler and Pressure Vessel
Inspectors and the State or Province of Arizona and of	employed by HSB CT of Hartford, Connecticut, have
inspected the components described in this Owner's to 7-1-06, and state that to the best	report during the period of
	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.	·
	his employer makes any warranty, expressed or implied, s described in this Owner's report. Furthermore, neither
the Inspector nor his employer shall be liable in any loss of any kind arising from or connected with this in	manner for any personal injury or property damage or a nspection.
24 Intern	Commissions: NB 9685 "A.N.I.C" AZ264
Inspectors Signature	National Board, State, Province, and Endorsements
7-1	·
Date:	

PV-E0092 Ver. 7 Back

73DP-9ZZ17 Rev 8

	ASME SECTION	N XI – REPAIR / REPI	LACEMEN I Pa	gelofl	
 8. ISI Flaw 9. Evaluation of the suitabiling Not a failure of the ASM another unit. 	Generator 1 Main Steam 1: 1SG01-1 1: 1974 Edition: 1974 Edition Edition: 1974 Edition, ace the load coupling and ty of this work as per the E pressure boundary. Par USC of Unit 3 Face	4. W.O. Number: n, Winter 1975 Addenda Winter 1975 Addenda dianti-friction collar removed NDE Method of Flaw De Report Number: requirements of IWA - 4150: ts are being replaced that wer	2888427 for installation into 3Setection:	to support work in	
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: YES					
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.	
Load coupling	APN 00095949	* 41-74722	N/N	MR 1095118	
Anti Friction Collar	APN 00095950	N/A	1420296	MR 1095118	
		¥ ID"2006-95			
18. Planner Signature 19. ISI Signature 20. ANII Signature	ap 5/	Date		P Log Entry RPP	

1. Owner: Arizon	na Public Service (Company, et. al.			Date: <u>6/1</u>	3/2006		
<u>P. O. F</u>	3ox 53999, Phoeni	ix Arizona 85072-20	<u>)34</u>	ı	Sheet:	<u>1</u> of <u>2</u>	* *.	
2. Plant: Palo V	erde Nuclear Gene	erating Station			Unit: <u>1</u>	•		
<u>5801 S</u>	South Wintersburg	Road., Tonopah, A	rizona 8535	<u>54-7529</u>	Work Ord	er Number	r <u>2888427</u>	
3. Work Performe	eđ by: <u>Arizona Public</u>	c Service			Type of Co	ode Stamp	None None	`
·			,		Authorizat	tion No.	<u>N/A</u>	
					Expiration	Date <u>N/</u>	<u>'A</u>	,
4. Identification o	f System: <u>SG - Mai</u>	in Steam						
5. (a) Applicable	Construction Code 1	ASME Section III NF	Class 2	<u>1974</u> Editic	on, Winter 1	975 Adde	nda, 🛂 Code	e Case
(b) Applicable	Edition of Section >	XI Utilized for Repairs	s or Replace	ments: <u>19</u>	92 Edition	<u>, 1992 Ad</u>	ldenda	
6. Identification of	f Components Repai	ired or Replaced and I	Replacement	Compone	nts			
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	1	ther ification	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)
Spring Support	ITT Grinnell	G2502	N/A	1SG036H011		1982	Repaired	YES
Load Coupling	Anvil	41-74722	N/A	1SG036F	H011	2006	Replacement	YES
Anti-friction Collar	Anvil	N/A	N/A	1SG036F	H011	2006	Replacement	NO
						·	7	
	7							
7. Description of V	Work: Replaced th	ne load coupling and	l anti-friction	on collar.				
8. Test Conducted	: Hydrostatic	Pneumatic [☐ Nom	inal Operat	ting Pressure	e 🔲 🔝	Exempt 🛛	
. N -4	416-2	r Pressure psi	i		Test Tem	nperature	°F	1.
inches, (2) info	ormation in items 1	form of lists, sketched thru 6 on this reported at the to of this	ort is include					

FORM NIS-2 (Back	FO	RM	NIS-	·2 (I	Back
------------------	----	----	------	-------	-------------

1SG036H011.			w load coupling assembly in unit-1 at spring supp	
e-i lessured lest wo		N/A		
		Certificate of C	Compliance	
We certify that the st ASME Code, Section		the report are correct	et and this replacement conforms to the rules of	of the
Type Code Symbol S	Stamp	N/A		
Certificate of Author	ization No.	N/A	Expiration Date: N/A	
Signed: Pho	Owner or Owner's	nsulting Engineer, Title	gineer Date: 6/13/06	/
	J .			٠
n.	a e e a mara Mijora dele con angre as			
/	CERTIFICA	TE OF INSER	RVICE INSPECTION	
Inspectors and the Sinspected the compoto 6-13-6	tate or Province of nents described in, and state aken corrective m	Arizona and employ this Owner's report that to the best of m leasures described i	the National Board of boiler and Pressure Voyed by HSB CT of Hartford, Connecticut, at during the period of S-31-06 my knowledge and belief, the Owner has perform this Owner's Report in accordance with	have
	inations and correct employer shall be	ctive measures descr liable in any manne	nployer makes any warranty, expressed or imperibed in this Owner's report. Furthermore, note for any personal injury or property damage tion.	either
	ng from or connect	*		
the Inspector nor his loss of any kind arisi	ng from or connect	•	ommissions: NB 9685 "N" "I" AZ264 National Board, State, Province, and Endors	ements

PV216-08NI (8-88)

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

AZ 85354 ah, AZ 85354 2006 (year built) N/A (Code Case no.)
2006 (year built) N/A (Code Case no.)
(year built) N/A (Code Case no.)
N/A (Code Case no.)
·
(e)
National Board No.
N/A
, N/A
/
,
Test 1

(12/88)

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

^{*}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.

JRM NF-1 (Back - Pg. 2 of 2

	Compone	ent Support I.D. Nos.	2006-94	through	2006-95
	CERTI	FICATE OF DESIGN			
Design Specification certified by	H. R. Sonderegger	P.E. State	R.I	Reg. no	3537
Design Report certified by	Ronald T Wisniewski	P.E. State	R.I.	Reg. no	4108
				· · · · · · · · · · · · · · · · · · ·	
	CERTIFIC	ATE OF COMPLIANC	E		
We certify that the statements in construction of the ASME Code,	•	ect and that these c	omponent suj	oports conform	to the rules for
NPT Certificate of Authorization No	,	2	Expires	9/29	9/2007
Date 6-1-66 N	Anvil International, Inc (NPT Certificate Holder)		<i>J</i> 4c.	<u> </u>	
	CERTIFIC	CATE OF INSPECTIO	N		. /
I, the undersigned, holding a val	id commission issued by th	e National Board of	Boiler and P	ressure Vessel	Inspectors and
the State or Province of	Rhode Island	and em	ployed by	H.S.	B. C.T.
of Hartform on 4 / O (s) constructed these component supp	, and state	that to the best of my	knowledge and		in this Data Report
By signing this certificate, neither component supports described in manner for any personal injury of	this Data Report. Furthern	nore, neither the insp	pector nor his	employer shal	be liable in any
Date 6/2/06 Sign	A all	Commissions 75	I 862	ABNI	ate or prov. and no.)

	ASME SECTI	ON XI - REPAIR/F	REPLACEMENT	
1. Component ID 1SI	248H018	2. Code Cla	ass SECTION III Subs	ection "NF"
3. Item Description 1	KIP SNUBBER			
4. N-5 Package Numb	er <u>1RC01-1C</u>	5. W.O. Nu	mber 2889018	
ŭ .	n Code Edition 1974 ED			
7. Original Installation	Code Edition 1974 EDIT	TION THRU WINTER 19	975 ADDENDA	
8. Work Description $_{ m Lr}$	nstall Snubber to support	SI-651 mod per DFWO #	2882666	
9. 🔲 ISI Flaw	NDE M	ethod of Flaw Detection	· · · · · · · · · · · · · · · · · · ·	
5 10111aw	NOC IVI			100 m
10. Evaluation of the su	uitability of this work as po			
This is a like for l	ike replacement, snuhber	was removed during snul	hher reduction and is he	•
2889018. This snu	hher S/N 23895 came fro	m Hanger 3SI307H004 F	Rottom	
•	nt Work Organization AF			
12. Replacement Item (Construction or reconciled	d Code/Edition 1974 EDI	TION THRU WINTER	1975 ADDENDA
	nt Activity Construction Co		ON THRU WINTER 19	75 ADDENDA
14. ASME Section XI C	Code/Edition 1992 Editio	n and 1992 Addenda		
15. Preservice Inspect			ES 🔲 NO	•
3. E. 5/22/6 Initial Date	If required, include	e a step in the W.O. to pe	погт Preservice Inspec	tion.
16. ASME Section XI P	ressure Test Required	☐ YI	es 🔟 NO	
5. E. 5/22/or		a step in the W.O. for ISI		
5, £. 3/22/o Initial Date	17. Include a step	in the W.O. to complete I	NIS-2 Form prior to relea	asing the component.
5 E 5/22/0 Initial Date	ر 18. Include a step replacement it	in the W.O. to record bellems.	ow all applicable numbe	rs for repaired or
ITEM I.D.	PART NO.	SERIAL NO.	HEAT NO.	MR/ROS NO.
1SI248H018	1801102-05	23895	N/A	N/A
	·			
40 DI S >	0		G. T. 1	
19. Planner Strum	Signature 7-06	S/22/0C Print N	lame Steven Eich	
20. ISI Enginee	Hansen Par Teleson W/Stu	Date Print N	lame Doug B. Hansen	Logged
21. ANII Lolut House	0 5-24- Signature trum RuTelson w/steven &	iiL	lame Robert Hogstrom	•
	Signature	5/22/06 Print N		

PV-E0093 Ver. 6

As Required by the Provisions of the ASME Code Section XI

1. Owner <u>Arizona</u>	Public Service Co	ompany, et. al.			Date _		05/22/04	6
1	x 53999, Phoenix,							
2. Plant Palo Ver	rde Nuclear Gener	rating Station			Unit		1	
1	Wintersburg Rd.,	Nama					2889018	
	,	Address		<u></u>		-	Work Order Number	ir.
3. Work Performed b	oy <u>Arizona Public</u>	Service Name			_ Type Cc	ode Syr	mbol Stamp	None
,					Authoriz	ation N		N/A
5801 S V	Wintersburg Road,		zona 85354	- 752⁺	Expiration	on Date	e <u> </u>	Ϊ/A
	MOME S. C.	Address	-	<u> </u>				
4. Identification of Sy	/stemS1_Saret	ty Injection						
5. (a) Applicable Cor	nstruction Code Subs	section "NF"	19 74	Edition,	, <u>W'75</u>	_ Adde	enda, PA	_ Code Case
(b) Applicable Edi	lition of Section XI Utiliz	zed for Repairs o	r Replacemer	nts 19	92 Edi	tion,	1992 Add	enda /
			-					
6. Identification of Co	omponents Repaired of	r Replaced and R	Replacement (Compor	nents	•		
Name of Item	Name of Manufacturer	Manufacturer Serial No.	National Board No.	O Ident	Other tification	Year Built	Repaired or Replacemen	ASME Code Stamped nt (Yes or No)
1 Kip Snubber	Pacific Scientific	23895	N/A	1	48H018	1	Replacement	1
	ļ		<u> </u>	ļ	····	ļ		
. /								
· ·				-				-
				<u> </u>		<u></u>		
7. Description of Worl	k Snubber installa	ition per DFW	O #288266	i6 (No	Weldir	1g)		
8. Test Conducted:	Hydrostatic F	Pneumatic 🔲	Nominal Ope	erating	Pressure		Exempt 🗾	N-416-1
•	_						,	•
	Other 🔲	Pressure ~/A	psi		•	Test Te	emp. NA	°F
								•
(2) information in ite	ital sheets in form of ems 1 through 6 on t	this report is inc	cluded on ea	s may t ach she	be used, eet, and	provic (3) ea	ded (1) size is uch sheet is nu	8 1/2 x 11 in., mbered and
the number of shee	ets is recorded at the	e top of this form	n. Í			•		

PV-E0092 Ver. 6

FORM NIS-2 (Back)

9.	Remarks		nubber Serial number 23895 fo	r SI-651 vibration mod outlined in D	FWO
					<u> </u>
		· .	· .		
		C	ERTIFICATE OF COMPL	IANCE	
		y that the statements mad ME Code, Section XI.	de in the report are correct and	this replacement conforms to the repair or replacement	ules
	Type Cod	de Symbol Stamp	NA		
	Certificat	e of Authorization No	NA	Expiration Date ~A	
	Signed	76	er or Owner's Designee, Title	Date	
1					,
г					·
		CERTIF	FICATE OF INSERVICE IN	SPECTION	
	Inspectors	s and the State or Provinc	e of <u>Arizona</u> and employe	nal Board of Boiler and Pressure Ve d by HSBI & I CO.	
				described in this Owner's Report durate that to the best of my knowledge	
	belief, the	Owner has performed ex		e measures described in this Owner'	
	concerning neither the	g the examinations and co e Inspector nor his employ	orrective measures described in	nakes any warranty, expressed or imposite this Owner's Report. Furthermore, or for any personal injury or property spection.	olied,
		724 Apture Inspector's Signature	Commissions	いち そんちち "Aハリビ" Az 26 National Board, State, Province, and Endorsemen	ts .
	Date	5-29-06			

Page of
3. Item Description: Reactor Coolant system Pressurizer Backup Heater 4. N-5 Data Package Number: IRC01-4 5. W.O. Number: 2892613 6. Original Construction Code Edition: 1971 Edition, Winter 1973 Addenda 7. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda 8. Work Description: Replace Pressurizer Heater 9. ☐ IS1 Flaw NDE Method of Flaw Detection: Report Number: 10. Evaluation of the suitability of this work as per the requirements of IWA - 4150: Replace pressurizer heater on a like for like basis, The heater installed has failed electrically and has been "jumpered out" the electrical circuit, there is no failure of the code boundry. 11. Repair/Replacement Work Organization: Arizona Public Service 12. Replacement Items Construction or reconciled Code/Edition: Sec. III Cl 1, 1971 Edition 1973 Winter Addenda 13. Repair/Replacement Activity Construction Code/Edition: Sec. III Cl 1, 1974 Edition 1975 Winter Addenda 14. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 15. Preservice Inspection Required: ☐ YES ☑ NO
4. N-5 Data Package Number: 1RC01-4 5. W.O. Number: 2892613 6. Original Construction Code Edition: 1971 Edition, Winter 1973 Addenda 7. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda 8. Work Description: Replace Pressurizer Heater 9. ☐ ISI Flaw NDE Method of Flaw Detection: Report Number: 10. Evaluation of the suitability of this work as per the requirements of IWA - 4150: Replace pressurizer heater on a like for like basis, The heater installed has failed electrically and has been "jumpered out" the electrical circuit, there is no failure of the code boundry. 11. Repair/Replacement Work Organization: Arizona Public Service 12. Replacement Items Construction or reconciled Code/Edition: Sec. III Cl 1, 1971 Edition 1973 Winter Addenda 13. Repair/Replacement Activity Construction Code/Edition: Sec. III Cl 1, 1974 Edition 1975 Winter Addenda 14. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 15. Preservice Inspection Required: ☐ YES ☒ NO
6. Original Construction Code Edition: 1971 Edition, Winter 1973 Addenda 7. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda 8. Work Description: Replace Pressurizer Heater 9. ☐ ISI Flaw NDE Method of Flaw Detection: Report Number: 10. Evaluation of the suitability of this work as per the requirements of IWA - 4150: Replace pressurizer heater on a like for like basis, The heater installed has failed electrically and has been "jumpered out" the electrical circuit, there is no failure of the code boundry. 11. Repair/Replacement Work Organization: Arizona Public Service 12. Replacement Items Construction or reconciled Code/Edition: Sec. III Cl 1, 1971 Edition 1973 Winter Addenda 13. Repair/Replacement Activity Construction Code/Edition: Sec. III Cl 1, 1974 Edition 1975 Winter Addenda 14. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 15. Preservice Inspection Required: ☐ YES ☒ NO
7. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda 8. Work Description: Replace Pressurizer Heater 9. ☐ ISI Flaw NDE Method of Flaw Detection: Report Number: 10. Evaluation of the suitability of this work as per the requirements of IWA - 4150: Replace pressurizer heater on a like for like basis, The heater installed has failed electrically and has been "jumpered out" the electrical circuit, there is no failure of the code boundry. 11. Repair/Replacement Work Organization: Arizona Public Service 12. Replacement Items Construction or reconciled Code/Edition: Sec. III Cl 1, 1971 Edition 1973 Winter Addenda 13. Repair/Replacement Activity Construction Code/Edition: Sec. III Cl 1, 1974 Edition 1975 Winter Addenda 14. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 15. Preservice Inspection Required: ☐ YES ☒ NO
8. Work Description: Replace Pressurizer Heater 9. ☐ IS1 Flaw NDE Method of Flaw Detection: Report Number: 10. Evaluation of the suitability of this work as per the requirements of IWA - 4150: Replace pressurizer heater on a like for like basis, The heater installed has failed electrically and has been "jumpered out" the electrical circuit, there is no failure of the code boundry. 11. Repair/Replacement Work Organization: Arizona Public Service 12. Replacement Items Construction or reconciled Code/Edition: Sec. III Cl 1, 1971 Edition 1973 Winter Addenda 13. Repair/Replacement Activity Construction Code/Edition: Sec. III Cl 1, 1974 Edition 1975 Winter Addenda 14. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 15. Preservice Inspection Required: ☐ YES ☒ NO
9. ☐ IS1 Flaw NDE Method of Flaw Detection: Report Number: 10. Evaluation of the suitability of this work as per the requirements of IWA - 4150: Replace pressurizer heater on a like for like basis. The heater installed has failed electrically and has been "jumpered out" the electrical circuit, there is no failure of the code boundry. 11. Repair/Replacement Work Organization: Arizona Public Service 12. Replacement Items Construction or reconciled Code/Edition: Sec. III Cl 1, 1971 Edition 1973 Winter Addenda 13. Repair/Replacement Activity Construction Code/Edition: Sec. III Cl 1, 1974 Edition 1975 Winter Addenda 14. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 15. Preservice Inspection Required: ☐ YES ☒ NO
Report Number: 10. Evaluation of the suitability of this work as per the requirements of IWA - 4150: Replace pressurizer heater on a like for like basis. The heater installed has failed electrically and has been "jumpered out" the electrical circuit, there is no failure of the code boundry. 11. Repair/Replacement Work Organization: Arizona Public Service 12. Replacement Items Construction or reconciled Code/Edition: Sec. III Cl 1, 1971 Edition 1973 Winter Addenda 13. Repair/Replacement Activity Construction Code/Edition: Sec. III Cl 1, 1974 Edition 1975 Winter Addenda 14. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 15. Preservice Inspection Required:
10. Evaluation of the suitability of this work as per the requirements of IWA - 4150: Replace pressurizer heater on a like for like basis. The heater installed has failed electrically and has been "jumpered out" the electrical circuit, there is no failure of the code boundry. 11. Repair/Replacement Work Organization: Arizona Public Service 12. Replacement Items Construction or reconciled Code/Edition: Sec. III Cl 1, 1971 Edition 1973 Winter Addenda 13. Repair/Replacement Activity Construction Code/Edition: Sec. III Cl 1, 1974 Edition 1975 Winter Addenda 14. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 15. Preservice Inspection Required: □ YES NO
Replace pressurizer heater on a like for like basis. The heater installed has failed electrically and has been "jumpered out" the electrical circuit, there is no failure of the code boundry. 11. Repair/Replacement Work Organization: Arizona Public Service 12. Replacement Items Construction or reconciled Code/Edition: Sec. III Cl 1, 1971 Edition 1973 Winter Addenda 13. Repair/Replacement Activity Construction Code/Edition: Sec. III Cl 1, 1974 Edition 1975 Winter Addenda 14. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 15. Preservice Inspection Required:
the electrical circuit, there is no failure of the code boundry. 11. Repair/Replacement Work Organization: Arizona Public Service 12. Replacement Items Construction or reconciled Code/Edition: Sec. III Cl 1, 1971 Edition 1973 Winter Addenda 13. Repair/Replacement Activity Construction Code/Edition: Sec. III Cl 1, 1974 Edition 1975 Winter Addenda 14. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 15. Preservice Inspection Required:
11. Repair/Replacement Work Organization: Arizona Public Service 12. Replacement Items Construction or reconciled Code/Edition: Sec. III Cl 1, 1971 Edition 1973 Winter Addenda 13. Repair/Replacement Activity Construction Code/Edition: Sec. III Cl 1, 1974 Edition 1975 Winter Addenda 14. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 15. Preservice Inspection Required: YES NO
12. Replacement Items Construction or reconciled Code/Edition: Sec. III Cl 1, 1971 Edition 1973 Winter Addenda 13. Repair/Replacement Activity Construction Code/Edition: Sec. III Cl 1, 1974 Edition 1975 Winter Addenda 14. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 15. Preservice Inspection Required: ☐ YES ☐ NO
12. Replacement Items Construction or reconciled Code/Edition: Sec. III Cl 1, 1971 Edition 1973 Winter Addenda 13. Repair/Replacement Activity Construction Code/Edition: Sec. III Cl 1, 1974 Edition 1975 Winter Addenda 14. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 15. Preservice Inspection Required: ☐ YES ☐ NO
12. Replacement Items Construction or reconciled Code/Edition: Sec. III Cl 1, 1971 Edition 1973 Winter Addenda 13. Repair/Replacement Activity Construction Code/Edition: Sec. III Cl 1, 1974 Edition 1975 Winter Addenda 14. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 15. Preservice Inspection Required: YES NO
13. Repair/Replacement Activity Construction Code/Edition: Sec. III Cl 1, 1974 Edition 1975 Winter Addenda 14. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 15. Preservice Inspection Required: ☐ YES ☑ NO
14. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 15. Preservice Inspection Required: ☐ YES ☒ NO
15. Preservice Inspection Required: YES NO
$1 N/4 \qquad \sim 1$
Initial MA WS Date 5/11/06 If required, include a step in the W.O. to perform Preservice Inspection
16. ASME Section XI Pressure Test Required: YES NO
Initial 400 Date 3/11/06
Initial 265 Date $5/u/06$ 17. Include a step in the W.O. to complete NIS-2 Form prior to releasing the component.
Initial Kus Date 5/11/06 18. Include a step in the W.O. to record below all applicable numbers for repaired replacement items.
Item ID Part No. Serial No. Heat No. MR/PO/WO
Sheath
Pressurizer Heater APN 44450049 RP2040-79 HT 32392 MR 1097661
19. Planner tal D Some 5/4/2006 Printed Name: Karl V. Savage
Signature Date
and of Although the second of the
20. ISI Just Signature Signature Printed Name: FRED POTEET LOGENTRY: 7.
21. ANII 25 from 5-11-06 Printed Name: R.G. HOGSTROM
Signature Date PV-Bin93 Vcr. 7 73DP-

I. Owner: Arizona	Public Service Co	mpany, et. al.		D	ate: 05/18/20	06			
<u>P. O. Bo</u>	<u>P. O. Box 53999, Phoenix Arizona 85072-2034</u> Sheet: <u>1</u> of <u>2</u>								
2. Plant: Palo Verde Nuclear Generating Station Unit: 1									
5801 South Wintersburg Road., Tonopah, Arizona 85354-7529 Work Order Number 2892613									
3. Work Performed	by: <u>Arizona Public S</u>	ervice Co.		T	ype of Code St	amp <u>None</u>			
5801 S. Wintersburg Rd., Tonopah, Arizona, 85354-7529 Authorization No. N/A									
Expiration Date <u>N/A</u>									
4. Identification of S	System: Reactor Co	olant System (RC)				% -			
5. (a) Applicable Co	5. (a) Applicable Construction Code <u>ASME Section III NB, Class 1</u> 1971 Edition, <u>Winter 1973</u> Addenda, <u>N/A</u> Code Case								
(b) Applicable E	dition of Section XI	Utilized for Repairs	s or Replaceme	ents: <u>1992 E</u>	lition, 1992 <i>A</i>	<u>Addenda</u>			
6. Identification of C	Components Repaired	d or Replaced and I	Replacement C	omponents			1.		
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identificati	Year on Built	Repaired or Replacement	ASME Code Stamped (Yes or NO)		
Pressurizer Heater	Ionics	RP-2090-79	N/A	1MRCEA0	5 2005	Replaced	Yes		
	<u> </u>								
		:	=======================================						
/		·				·			
				·					
		· · · · · · · · · · · · · · · · · · ·	·				<u> </u>		
			, .						
7. Description of Wo	ork: Remove failed l	Pressurizer heater a	nd install a rep	lacement hea	er	<u> </u>	· ·		
8. Test Conducted:	Hydrostatic 🗌	Pneumatic	Nominal Ope	rating Pressur	e 🗌 Exe	mpt 🛛 N-41	6-2		
Other	Press	ure <u>N/A</u> psi			Test Temperat	ure <u>N/A</u> °F			
inches, (2) inform	nental sheets in for mation in items 1 t eets is recorded at	hru 6 on this repo	rt is included						

	FOR	M	NIS-	-2 ((Back))
--	------------	---	------	------	--------	---

9. Remarks: Work Order 2892613 Remove failed Pressurizer heater 1MRCEA05 and install a new replacement Pressurizer heater

Certificate of Compliance								
We certify that the statements made in the ASME Code, Section XI.	ne report are correct	and this replacement conform	ns to the rules of					
Type Code Symbol Stamp	N/A							
Certificate of Authorization No. Signed: Owner or Owner's E	N/A Designee, Title	Expiration Date:	/18/06	-				

CERTIFICATE OF INSERVICE INSPECTION

:				
I, the undersigned, holding a valid commission issued by Inspectors and the State or Province of <u>Arizona</u> and empinspected 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.	loyed by <u>HSB CT</u> of <u>Hartford, Connecticut</u> , have ort during the period of <u>5-11-06</u> my knowledge and belief, the Owner has performed			
By signing this 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.				
Inspectors Signature	Commissions: NB 9685 "N" "I" AZ264 National Board, State, Province, and Endorsements			
Date: 5-18-06				

V-E0092 Ver. 7 Back.

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

	,					15.
Manu	factured and certified by Ion	ics, Incorporated, Bridgeville Divis	on, 30 Curry Road Cand and address of NPT Certificate H	nsburg, Pennsyl [.] older)	vania, 15137	
	fortunal for Milatinahayaa I	Electric Co. LLC 1000 Westinghou	usa Driva New Stanton B	15672		<u>.</u>
Manu	factured for <u>westinghouse</u>		d address of purchaser)	. 13072		
		·	. ,			
Locat	tion of installation <u>Arizona</u>	Public Service 5801 South Winte		Arizona 85354		<u> </u>
		Tubing: SA-213 TP 316/316L	me and address) 81,000 Psi			_
Type)	WDC-3580-1530 Rev. 3	End Plug: SA-479 TP 316/316L	81,400 Psi		N/A	2005
Type	(drawing number)	(mat'l. spec no.)	(tensile strength)		(CRN)	(year built
					_	
ASME	E Code, Section III, Division 1:		Winter 1973 Add.		l class) - Alexandra	N/A (Code case no.)
Eabric:	ated in accordance with Cons	(Revision	N/A	26.34	N/A
abito	ated in accordance may cond	open. (Biv. 2 diay)	(no.)			
Remar		ater Assembly comprised of tubing				
		nufactured on Ionics Contract 1539		· · · · · · · · · · · · · · · · · · ·		
	Sur	oplied on Westinghouse P.O. # 4500	0169118			
	**.180" min V					
		05" End Plug in. design thickness) (ft & in.) <u>0' 1.2</u>	52" Length overall	(ft & in.) <u>8' 0.625"</u>]
vvnen	applicable, Certificate Holder	s' Data Reports are attached for each	il item of this report.		T	
	Part or Appurtenance	National	Part or A	ppurtenance	1	National /
	Serial Number	Board No.	Seria	i Number		oard No. nerical Order
		in Numerical order			in Nur	nerical Order
· (4)		•	(00)			
(2)	RP-2090-76		(26)			,
(2)	RP-2090-77		(27)			
(3)	RP-2090-78		(28)			
(4)	RP-2090-79		(29)			
(5)	RP-2090-80	- →	(30)			
(6)	RP-2090-81		(31)			
(7)	RP-2090-82	·	(32)	· · · · · · · · · · · · · · · · · · ·		
(8)	RP-2090-83		(33)			
(9)	RP-2090-84	·	(34)			
(10)	RP-2090-85		(35)			
(11)	RP-2090-86	, Anna	(36)			
(12)	RP-2090-87		(37)		<u></u>	<u> </u>
(13)		·	(38)			
(14)	3,4		(39)			
(15)			(40)			
(16)			(41)			-
/471		· · · · · · · · · · · · · · · · · · ·	(42)			
			(43)			
(17) (18) (19)			(44)		<u> </u>	
(18) (19)				1		
(18) (19) (20)						
(18) (19) (20) (21)			(46)			
(18) (19) (20) (21) (22)			(46) (47)			
(18) (19) (20) (21) (22) (23)			(46) (47) (48)			
(18) - (19) - (20) - (21) - (22) - (23) - (24) -			(46) (47) (48) (49)			
(18) _ (19) _ (20) _ (21) _ (22) _ (23) _			(46) (47) (48)			

Subject, ental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 ½ x 11, (2) information in items 2 and 3 on this Data Report is scluded on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

	CERTIFICATION C	OF DESIGN		······································
Design specifications certified by KH Has Design report* certified by N/A (when applicable)	(when applicable)			10990 No. <u>N/A</u>
	CERTIFICATE OF CO	MPLIANCE		
We certify that the statements made in this re Conforms to the rules of construction of the A			leater Pressurizer Asse	mbly
NPT Certificate of Authorization No.	N-2974	Expires M	arch 26, 2008	
Date 2-24-06 Name Io	nics, Incorporated – Bridgeville (NPT Certificate Holder)		uthorized representative)	
	CERTIFICATE OF INS	SPECTION		
I, the undersigned, holding a valid commission is: of Pennsylvania and employed by One I	Beacon America Insurance Co.		'	
of Boston, Mass. have inspected best of my knowledge and belief, the Certificate livision 1. Each part listed has been authorized in his certificate, neither the inspector living. Data Report. Furthermore, neither the in or loss of any kind arising from or connected to	e Holder has fabricated these part of for stamping on the date shown ab nor his employer makes any warrar spector nor his employer shall be with this inspection.	s or appurtenances in accove. nty, expressed or implied, liable in any manner for a	ordance with the ASME concerning the equip ny personal injury or pro-	E Code, Section ment described roperty damage
Date 3/3 7/66 Signed Vice (Author)	the Mr finit co	mmissions //A 5/2	66	\mathcal{L}
(Author	orized Nuclear Inspector)	[Nat'l. Bd. (inc	d. endorsements) and stat	e or prov. and no]

	ASME SECTION	XI – REPAIR / REPI	LACEMENT	
			Pa	ge of
1. Component ID 1JRCEPS	V0200			
2 Item Description: Presur	izer safety relief valve			
3. N-5 Data Package Number		4. W.O. Number:	<u>2894340</u>	
5. Original Construction Co.				
6. Original Installation Code				
7. Work Description: Repl	lace the Presurizer Safety V	alve with a reconditioned s NDE Method of Flaw De		-
8. 🗌 ISI Flaw		Report Number: N/A	etection. N/A	,
9. Evaluation of the suitabili	ty of this work as per the re	•		
	III presure boundary. The specific spec	-		tested at NWS
	talled to minimize time syst	· · · · · · · · · · · · · · · · · · ·		
reciniology, is being his	tailed to infininze time syst	em is out or service.		
·				ž:-
10. Repair/Replacement Wo	rk Organization: Arizona	Public Service	**	r
11. Replacement Items Cons	-		074 Edition 1975 Sumr	ner Addenda
12. Repair/Replacement Act				
13. ASME Section XI Code/	Edition: 1992 Edition an	d 1992 Addenda		
14. Preservice Inspection Re	quired:	☐ YES 🖾 NO		
Initial NA Date	If required	include a stan in the W.O.	to porform Properties	Inspection
				mspection
15. ASME Section XI Pressu	·	YES NO		
Initial My Date 4	11 required	, include a step in the W.O	. for 1S1 & ANII Inspec	ction.
Initial My Date b	2-1727 16. Includ component	e a step in the W.O. to con for permanent service or p		or to releasing the
Initial Jung Date 6	17. Includ replacemen	e a step in the W.O. to recont items.	ord below all applicable	e numbers for repaired or
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
Spare Valve /	APN # 45003560	BS-08590	N/A	MR 1149573
				1
			.:	
		<u> </u>		· · · · · · · · · · · · · · · · · · ·
18. Planner Signature	Donald 6.5	7-07 Printed Name:	DAUD M.	G000 WT
19. ISI putela	en Auf 6-1	7.07	P TOSSER	RPP
Signature	D	7 07 Printed Name:	K, ZOSA	Log Entry \

1. Owner: <u>Arizo</u>	na Public Service	Company, et. al.		1	Date: <u>06</u>	/17/2007		
<u>P. O. I</u>	Box 53999, Phoeni	x Arizona 85072-20	034		Sheet:	<u>1</u> of <u>2</u>	· ' .	
2. Plant: <u>Palo V</u>	erde Nuclear Gen	erating Station		Ţ	Unit: <u>1</u>			
5801 South Wintersburg Road., Tonopah, Arizona 85354-7529 Work Order Number 2894340							·	
3. Work Performed by: <u>Arizona Public Service</u> Type of Code Stamp <u>None</u>								
Authorization No. <u>N/A</u>								
				I	Expiration	Date <u>N/</u>	A	
4. Identification of	f System: <u>RC Reac</u>	tor Coolant System						
5. (a) Applicable	Construction Code 2	ASME Section III NB	, Class 1	1974 Edition.	Summer	<u>1975</u> Add	enda, <u>N/A</u> Code	Case
(b) Applicable	Edition of Section 2	KI Utilized for Repair	s or Replace	ments: <u>1992</u>	2 Edition	, 1992 Ac	ldenda	
6. Identification of	f Components Repai	red or Replaced and I	Replacement	Components	5			<i>,</i>
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Oth Identific		Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)
PSV	Dresser	BS-08615	N/A	1JRCEPSV	0200	1981	Replaced	YES
PSV	Dresser	BS-08590	N/A	1JRCEPSV	0200	1979	Replacement	YES
·								
/								
£								
,			,					
7. Description of V	Vork: Valve to be	replaced with a rec	onditioned	and tested s	pare.			
8. Test Conducted:	8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt							
N-4	16-2 Other	Pressure psi			Test Ten	nperature	°F	·
inches, (2) info	rmation in items 1	orm of lists, sketche thru 6 on this reported at the to of this t	rt is include					

	FORM NIS-2 (Back)
9	. Remarks: WM 2894340 to replace 1JRCEPSV0200 with a reconditioned and tested spare.
P	re-Pressured Test WO Review - ISI Retrolad 6/27/07
	re-Pressured Test WO Review – ISI Prolap 6/27/07 ANII 6-27-07
•	Certificate of Compliance
	We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.
	Type Code Symbol StampN/A
	Certificate of Authorization No. N/A Expiration Date: N/A
	Signed: 151 ENG Date: 7-4-07 Owner or Owner's Designee, Title
•	CERTIFICATE OF INSERVICE INSPECTION
	I, the undersigned, holding a valid commission issued by the National Board of boiler and Pressure Vessel Inspectors and the State or Province of <u>Arizona</u> and employed by <u>HSB CT</u> of <u>Hartford, Connecticut</u> , have inspected the components described in this Owner's report during the period of <u>Garage</u> to <u>Tages</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
	By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
	Commissions: NB 9685 "N" "I" AZ264 Inspectors Signature Commissions: NB 9685 "N" "I" AZ264 National Board, State, Province, and Endorsements

PV216-08NI (8-88)

	ASME SECTION	XI - REPAIR / REP	LACEMENT	
			Pa	geof
1. Component ID <u>1JRCEPS</u>	SV0201			
2 Item Description: <u>Presur</u>				
3. N-5 Data Package Numbe	-	4. W.O. Number:	2894341	
5. Original Construction Co				
6. Original Installation Code			anara.	
7. Work Description: <u>Rep</u> 8.	race the Fresurizer Safety V	NDE Method of Flaw D		-
6. [_] 151 1 law		Report Number: N/A	recetion. 14/1	ŧ.
9. Evaluation of the suitabili	ty of this work as per the re	•):	
	III presure boundary. The s	·		tested at NWS
	talled to minimize time sys			
recimology, is being ins	taned to imminize time 343	tem is out or service.		
			연 항	v er ~
10. Repair/Replacement Wo	rk Organization: Arizona	Public Service	25	
11. Replacement Items Cons	-		974 Edition 1975 Sumi	ner Addenda
12. Repair/Replacement Act				
13. ASME Section XI Code	Edition: 1992 Edition a	nd 1992 Addenda		
14. Preservice Inspection Re	quired:	☐ YES ⊠ NO		
Initial NA Date	70	1 to 1 do a secondo do Mila VII d)	
		d, include a step in the W.C		nspection
15. ASME Section XI Pressi	•	☐ YES ☐ NO		• •
Initial May Date 4		d, include a step in the W.C	D. for ISI & ANII Inspe-	ction.
Initial Day Date 1	5-17-07 16. Includ	de a step in the W.O. to cont for permanent service or	•	or to releasing the
Initial Muss Date b	17. Include replacement	de a step in the W.O. to recent items.	cord below all applicabl	e numbers for repaired or
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No
Spare Valve	APN # 45003560	BS- 08566	N/A	MR 1149573
		_		
77 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				,
		<i>'</i>		
			·	<u> </u>
00	1 De MA	17.07	Dula	Gana
18. Planner Signature	1 / STATE OF	Printed Name	E PAULE N.	Trebles
	· · · · · · · · · · · · · · · · · · ·		7.00	CO2
19. ISI pu tolean Signature	Mrs 6-11	Printed Name	: /C, ZNDAP	Log Entry
•				,
20. ANII per TEL	ECON STRAFY 6-1	フ- 3 フ Printed Name	: ROBERT /Y	OGSTROM
✓ Signature	I	Date		

1. Owner: Arizona Public Service Company, et. al. Date: 06/17/2007							
<u>P. O. F</u>	P. O. Box 53999, Phoenix Arizona 85072-2034 Sheet: <u>1</u> of <u>2</u>						
2. Plant: Palo Verde Nuclear Generating Station Unit: 1							
<u>5801 S</u>	5801 South Wintersburg Road., Tonopah, Arizona 85354-7529 Work Order Number 2894341						
3. Work Performe	d by: <u>Arizona Publi</u>	c Service		Type o	f Code Stamp	None None	
	•			Author	rization No.	<u>N/A</u>	
,				Expira	tion Date N	<u>/A</u>	
4. Identification of	f System: <u>RC Reac</u>	tor Coolant System				**************************************	
5. (a) Applicable	Construction Code <u>A</u>	ASME Section III NB	, Class 1	974 Edition, Sumi	<u>ner 1975</u> Ado	lenda, <u>N/A</u> Code	: Case
(b) Applicable	Edition of Section >	XI Utilized for Repair	s or Replace	ments: 1992 Edit	ion, 1992 A	ddenda	
6. Identification of	f Components Repai	red or Replaced and I	Replacement	Components		/	1
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-08591	N/A	1JRCEPSV0201	1979	Replaced	YES
PSV	Dresser	BS-08566	N/A	1JRCEPSV0201	1978	Replacement	YES
1						·	
							ı
			,		·		
7. Description of V	Vork: <u>Valve to be</u>	replaced with a rec	onditioned	and tested spare.			-
8. Test Conducted:	Hydrostatic	Pneumatic [Nomi	nal Operating Pres	sure 🛚	Exempt [
N-4	16-2 Other	Pressure psi		Test '	Temperature	°F	
inches, (2) info	rmation in items 1	orm of lists, sketche thru 6 on this reported at the to of this f	rt is include				

	FORM NIS-2 (Back)
9	. Remarks: WM 2894341 to replace 1JRCEPSV0201 with a reconditioned and tested spare.
P	re-Pressured Test WO Review – ISI
	re-Pressured Test WO Review – ISI PVB 422/07 ANII 25 47 6-27-07
	Certificate of Compliance
	We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.
	Type Code Symbol Stamp N/A
	Certificate of Authorization NoN/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 <u>C-17-07</u> to <u>7-4-07</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
	By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
	Commissions: NB 9685 "N" "I" AZ264 National Board, State, Province, and Endorsements

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

7-4-07

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		o oj makazione en sekonom Mo <u>rro de se</u>	Pa	ge of	-	
1. Component ID <u>1JRCEPS</u>						
2 Item Description: <u>Presur</u>						
3. N-5 Data Package Number	4. W.O. Number:	2894342				
1. Component ID <u>1JRCEPSV0202</u> 2. Item Description: <u>Presurizer safety relief valve</u> 3. N-5 Data Package Number: <u>1RC03-2</u> 4. W.O. Number: <u>2894342</u> 5. Original Construction Code Edition: <u>1974 Edition, Summer 1975 Addenda</u> 6. Original Installation Code Edition: <u>1974 Edition, Winter 1975 Addenda</u> 7. Work Description: <u>Replace the Presurizer Safety Valve with a reconditioned spare</u> 8. ☐ ISI Flaw NDE Method of Flaw Detection: N/A Report Number: N/A						
6. Original Installation Code	Edition: 1974 Edition, Wi	nter 1975 Addenda				
7. Work Description: Rep	lace the Presurizer Safety Va	lve with a reconditioned	spare	•		
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 req	uirements of IWA - 4150):			
No failure of the ASME	III presure boundary. The sp	are replacement valve, w	hich was reworked and	tested at NWS		
Technology, is being ins	talled to minimize time syste	m is out of service.				
				g		
10. Repair/Replacement Wo	rk Organization: Arizona F	Public Service	-			
11. Replacement Items Cons	0		974 Edition 1975 Sumr	ner Addenda		
12. Repair/Replacement Act						
13. ASME Section XI Code/				· · · · · · · · · · · · · · · · · · ·		
14. Preservice Inspection Re		YES NO	•			
						
Initial NA Date	If required,	include a step in the W.C). to perform Preservice	Inspection		
15. ASME Section XI Pressu		✓ YES ☐ NO				
Dut - 1	in 107 If required.	include a step in the W.C), for ISI & ANII Inspec	ction.		
Initial <u>Pury</u> Date <u>6</u>		include a step in the W.C				
Initial May Date 6 Initial May Date 6		a step in the W.O. to cor	nplete NIS-2 Form pric			
Initial <u>Purq</u> Date <u>6</u> Initial <u>Purq</u> Date <u>6</u>		a step in the W.O. to cor for permanent service or	nplete NIS-2 Form price power operation.	or to releasing the		
Initial <u>Pury</u> Date <u>6</u> Initial <u>Pury</u> Date <u>6</u> Initial <u>Pury</u> Date <u>6</u>	-17-07 16. Include component 17. Include	a step in the W.O. to confor permanent service or a step in the W.O. to rec	nplete NIS-2 Form price power operation.			
Initial Dung Date 6 Initial Dung Date 6	-17-D7 16. Include component 17. Include replacement	a step in the W.O. to confor permanent service or a step in the W.O. to rect items.	nplete NIS-2 Form price power operation. ord below all applicable	or to releasing the	_	
Initial Dung Date 6 Initial Dung Date 6 Item ID	16. Include component 17. Include replacement Part No.	a step in the W.O. to confor permanent service or a step in the W.O. to rect items. Serial No.	nplete NIS-2 Form prior power operation. ord below all applicable Heat No.	or to releasing the e numbers for repaired or MR/PO/WO No.	_	
Initial Dury Date 6	-17-D7 16. Include component 17. Include replacement	a step in the W.O. to confor permanent service or a step in the W.O. to rect items.	nplete NIS-2 Form price power operation. ord below all applicable	or to releasing the	_	
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Initial Dung Date 6 Initial Dung Date 6	16. Include component 17. Include replacement Part No.	a step in the W.O. to confor permanent service or a step in the W.O. to rect items. Serial No.	nplete NIS-2 Form prior power operation. ord below all applicable Heat No.	or to releasing the e numbers for repaired or MR/PO/WO No.	_	
Initial Dung Date 6 Initial Dung Date 6 Item ID	16. Include component 17. Include replacement Part No.	a step in the W.O. to confor permanent service or a step in the W.O. to rect items. Serial No.	nplete NIS-2 Form prior power operation. ord below all applicable Heat No.	or to releasing the e numbers for repaired or MR/PO/WO No.	_	
Initial Dung Date 6 Initial Dung Date 6 Item ID	16. Include component 17. Include replacement Part No.	a step in the W.O. to confor permanent service or a step in the W.O. to rect items. Serial No.	nplete NIS-2 Form prior power operation. ord below all applicable Heat No.	or to releasing the e numbers for repaired or MR/PO/WO No.	_	
Initial Dung Date 6 Initial Dung Date 6 Item ID	16. Include component 17. Include replacement Part No.	a step in the W.O. to confor permanent service or a step in the W.O. to rect items. Serial No.	nplete NIS-2 Form prior power operation. ord below all applicable Heat No.	or to releasing the e numbers for repaired or MR/PO/WO No.	_	
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Initial Dury Date 6 Initial Dury Date 6 Item ID	16. Include component 17. Include replacement Part No.	a step in the W.O. to confor permanent service or a step in the W.O. to rect items. Serial No.	nplete NIS-2 Form prior power operation. ord below all applicable Heat No.	or to releasing the e numbers for repaired or MR/PO/WO No.	_	
Initial PMG Date 6 Initial PMG Date 6 Item ID Spare Valve,	16. Include component 17. Include replacement Part No. APN # 45003560	s a step in the W.O. to confor permanent service or a step in the W.O. to rect items. Serial No. BS- 0859 3	mplete NIS-2 Form price power operation. ord below all applicable Heat No. N/A	mr/PO/WO No. MR 1149573	_	
Initial Pury Date 6 Initial Pury Date 6 Item ID Spare Valve,	16. Include component 17. Include replacement Part No. APN # 45003560	s a step in the W.O. to confor permanent service or a step in the W.O. to rect items. Serial No. BS- 08592 Printed Name	nplete NIS-2 Form prior power operation. ord below all applicable Heat No.	mr/PO/WO No. MR 1149573	_	
Initial Pury Date 6 Initial Pury Date 6 Item ID Spare Valve	16. Include component 17. Include replacement Part No. APN # 45003560	s a step in the W.O. to confor permanent service or a step in the W.O. to rect items. Serial No. BS- 08592 Printed Name	Heat No. N/A DAULD M.	MR/PO/WO No. MR 1149573	_	
Initial Pury Date 6 Initial Pury Date 6 Item ID Spare Valve 18. Planner Signature 19. ISI An His	16. Include component 17. Include replacement Part No. APN # 45003560	s a step in the W.O. to confor permanent service or a step in the W.O. to rect items. Serial No. BS- 08592 Printed Name	Heat No. N/A DAULD M.	mr/PO/WO No. MR 1149573	_	
Initial Pury Date 6 Initial Pury Date 6 Item ID Spare Valve 18. Planner Signature	16. Include component 17. Include replacement Part No. APN # 45003560 APN # 45003560 Da Corn Part S 6-7 Da	s a step in the W.O. to confor permanent service or a step in the W.O. to rect items. Serial No. BS- 08592 Printed Name are	Heat No. N/A DAULD M.	or to releasing the e numbers for repaired or MR/PO/WO No. MR 1149573 Log Entry RPR	_	
Initial Pury Date 6 Initial Pury Date 6 Item ID Spare Valve 18. Planner Signature 19. ISI An History 19	16. Include component 17. Include replacement Part No. APN # 45003560 APN # 45003560 Da Corn Part S 6-7 Da	s a step in the W.O. to confor permanent service or a step in the W.O. to rect items. Serial No. BS- 08592 Printed Name	Heat No. N/A DAULD M.	or to releasing the e numbers for repaired or MR/PO/WO No. MR 1149573 Log Entry RPR	_	

1. Owner: Arizo	I. Owner: Arizona Public Service Company, et. al. Date: 06/17/2007							
<u>P. O. I</u>	Box 53999, Phoeni	x Arizona 85072-20	034	1	Sheet:	<u>1</u> of <u>2</u>	* .	
2. Plant: <u>Palo V</u>	verde Nuclear Gen	erating Station			Unit: <u>1</u>			_
5801 South Wintersburg Road., Tonopah, Arizona 85354-7529 Work Order Number 2894342								
3. Work Performe	d by: <u>Arizona Publi</u>	c Servicè			Type of C	ode Stamp	None	
					Authoriza	tion No.	N/A	
					Expiration	Date <u>N/</u>	<u>A</u>	
4. Identification o	f System: RC Reac	tor Coolant System						
5. (a) Applicable	Construction Code ¿	ASME Section III NB	, Class 1	1974 Editio	on, <u>Summer</u>	<u>1975</u> Add	enda, <u>N/A</u> Code	Case
(b) Applicable	Edition of Section >	KI Utilized for Repair	s or Replace	ments: <u>19</u>	92 Edition	, 1992 Ac	ldenda	
6. Identification o	f Components Repai	red or Replaced and I	Replacement	Compone	nts			/
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	_	ther fication	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)
PSV .	Dresser	BS-08617	N/A	1JRCEPS	SV0202	1981	Replaced	YES
PSV	Dresser	BS-08592	N/A	1JRCEPS	SV0202	1979	Replacement	YES
,							·	
								1
			,					
7. Description of V	Vork: <u>Valve to be</u>	replaced with a rec	onditioned	and tested	l spare.			
8. Test Conducted:	Hydrostatic	Pneumatic [Nomi	nal Operat	ing Pressure		Exempt	
· N-4	16-2 Other	Pressure psi	-		Test Ten	nperature	°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								

FORM N	IS-2 (Back)
9. Remarks: WM 2894342 to replace IJRCEPSV0202 with a	reconditioned and tested spare.
Pre-Pressured Test WO Review – ISI ANII	
ANII 25 4	1 time 6-27-07
Certificate of	of Compliance
We certify that the statements made in the report are co ASME Code, Section XI. Type Code Symbol StampN/A	orrect and this replacement conforms to the rules of the
Certificate of Authorization No. N/A Signed: Owner or Owner's Designee, Title	Expiration Date: N/A 1 ENC Date: $7-4-07$
CERTIFICATE OF INS	ERVICE INSPECTION
	of my knowledge and belief, the Owner has performed
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 instantion.	described in this Owner's report. Furthermore, neither nanner for any personal injury or property damage or a
Inspectors Signature	Commissions: NB 9685 "N" "I" AZ264 National Board, State, Province, and Endorsements
Date: 7-4-07	

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

			Pa	igei ofi			
1. Component ID <u>1JRCEPS</u>	SV0203						
2 Item Description: Presu	rizer safety relief valve		•				
3. N-5 Data Package Numbe		4. W.O. Number:	2894343				
	de Edition: 1974 Edition, S						
1	Edition: 1974 Edition, Wi						
	lace the Presurizer Safety Val		- -				
8. 🔲 ISI Flaw		NDE Method of Flaw Do	etection: N/A				
		Report Number: N/A		•			
	ity of this work as per the requ						
	III presure boundary. The spa	•	nich was reworked and	tested at NWS			
1 echnology, is being ins	stalled to minimize time system	m is out of service.					
<u> </u>							
10 Renair/Replacement Wo	ork Organization: <u>Arizona P</u>	ublic Service		\$50 2000 2000 2000			
	struction or reconciled Code/I		974 Edition 1975 Sum	mer Addenda			
3	civity Construction Code/Edition						
13. ASME Section XI Code.	•		Edition 1973 Whitei 7	<u>radonau</u>			
14. Preservice Inspection Re		☐ YES 🖾 NO					
. 1				1			
Initial <u>N/A</u> Date	•	include a step in the W.O		2 Inspection			
15. ASME Section XI Press	•,	YES NO					
Initial hyly Date 6		include a step in the W.O	. for ISI & ANII Inspe	ction.			
Initial Pente Data L	-17-D7 16. Include	a step in the W.O. to con	•	or to releasing the			
milar Bate	component	for permanent service or p	power operation.				
Initial Penk Date 6-17-07 16. Include a step in the W.O. to complete NIS-2 Form prior to releasing the component for permanent service or power operation. 17. Include a step in the W.O. to record below all applicable numbers for replacement items.							
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.			
Spare Valve	APN # 45003560	BS- 08568	N/A	MR 1149573			
DISC	APN# 45020245	ADU 35	N/A	MR 1111077			
		· · · · · · · · · · · · · · · · · · ·					
18. Planner <u>Jacol</u>	1 Dorlft 6-1		DAVIO M.	GOEDOT			
19. ISI per tel cos Signature	ny frank 6-17.	27 Printed Name:	R. ZNOAP	Log Entry TCF			
20. ANII per telec Signature	01 Party 6-17-D	7 Printed Name:	ROBERT /	LOGSTROM			
Signature	Da						

ASME SECTION XI – REPAIR / REPLACEMENT

A since	a Dublia Camina (Tammanu at al		•	Date: 06/	17/2007	**************************************	* * C* * * * * * * * * * * * * * * * *
1. Owner: Arizona Public Service Company, et. al.				Date: <u>06/17/2007</u>				
P. O. Box 53999, Phoenix Arizona 85072-2034				Sheet: $\underline{1}$ of $\underline{2}$				
2. Plant: Palo Verde Nuclear Generating Station				Unit: <u>1</u>				
5801 South Wintersburg Road., Tonopah, Arizona 85354-7529 Work Order Number 2894343								
3. Work Performed by: <u>Arizona Public Service</u> Type of Code Stamp <u>None</u>								
Authorization No. N/A					<u>N/A</u>			
Expiration Date <u>N/A</u>								
4. Identification of System: RC Reactor Coolant System								
5. (a) Applicable	Construction Code <u>F</u>	ASME Section III NB	, Class 1 1	974 Editio	on, <u>Summer</u>	<u>1975</u> Add	enda, <u>N/A</u> Code	Case
(b) Applicable	Edition of Section >	Utilized for Repairs	s or Replace	ments: <u>19</u>	92 Edition.	, 1992 Ac	<u>ldenda</u>	
6. Identification of Components Repaired or Replaced and Replacement Components								
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.		ther fication	Year Built	Repaired or Replacement	ASME Code Stamped
								(Yes or No)
PSV	Dresser	BS-08593	N/A	1JRCEPS	SV0203	1979	Replaced	YES
PSV	Dresser	BS-08568	N/A	1JRCEPS	SV0203	1978	Replacement	YES
Disc	Dresser	ADV35	N/A	1JRCEPS	SV0203	2005	Replacement	YES
. ,								
	·							- k
			,					
7. Description of V	Work: Valve to be	replaced with a rec	conditioned	and tested	i spare.			
8. Test Conducted	: Hydrostatic	Pneumatic [Nom	inal Operat	ting Pressur	e 🏻	Exempt [
N-416-2 Other Pressure psi Test Temperature oF								
		v	· Second		·			
inches, (2) info	ormation in items I	form of lists, sketchell thru 6 on this repo	ort is include					

	(12 - (
9. Remarks: WM 2894343 to replace 1JRCEPSV0203 with	a reconditioned and tested spare.
	1
Pre-Pressured Test WO Review – ISI	ap 6/a/107
Pre-Pressured Test WO Review – ISI ANII 25 Gran	6-27-07
AM	
Certificate	of Compliance
	correct and this replacement conforms to the rules of the
ASME Code, Section XI.	
Type Code Symbol StampN/A_	
<u>.</u>	, · · · · · · · · · · · · · · · · · · ·
	Expiration Date: N/A
Signed: 15	1 ENG Date: 7-4-07
Owner's Designee, Title	Date.
cate of the control o	
۵.	
CERTIFICATE OF IN	SERVICE INSPECTION
CERTIFICATE OF ITS	SERVICE INSTRETTON
	İ
	ed by the National Board of boiler and Pressure Vessel
inspectors and the State or Province of <u>Arizona</u> and e inspected the components described in this Owner's	employed by HSB CT of Hartford, Connecticut, have
to 7-4-07 and state that to the bes	t of my knowledge and belief, the Owner has performed
examinations and taken corrective measures descr	ibed in this Owner's Report in accordance with the
requirements of the ASME Code, Section XI.	
	·.
	·
	is employer makes any warranty, expressed or implied,
	described in this Owner's report. Furthermore, neither
	manner for any personal injury or property damage or a
loss of any kind arising from or connected with this ir	ispection.
ZS fritions	Commissions: NB 9685 "N" "I" AZ264
	Commissions. 11D 2003 11 1 AL204
Language C'	National Board, State, Province, and Endorsements
Inspectors Signature	National Board, State, Province, and Endorsements
Inspectors Signature Date: 7-4-07	National Board, State, Province, and Endorsements

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

3. Location of ir 4. Type OS4 (dr. 5. ASME Code 6. Fabricated in 7. Remarks: 3. Nom. thickness. When applic	Asimple Arizona F ASME Asimple Asimpl	(edition) ist. Spec. (Div. 2 only) ist. Spec. (Div. 2 only) in. design thickness (in.) irs' Data Reports are attace National Board No. in Numerical Order	(name rde Nucl	and address of Generation 6 (name and 170 (tensile INTER 1975 addenda date) J/A no)	purchaser) 5801 S Winters address) 0 KSI strength) 5 Revision	1 (class) N//	N/A (CRN)	2005 (year built) N/A (Code Case no.) Date N/A (Ift. & in:) N/A National Board No. Numerical Order
A. Type OS4* (dn dn dn dn dn dn dn dn dn dn dn dn dn d	ASME ASME	(mat1 spec. no.) 1974 (edition) st. Spec. (Div. 2 only) n. design thickness (in.) rs' Data Reports are attact National Board No. in Numerical Order	W (Generation ((name and 177 (tensile INTER 1975 addenda date) VA Dia. ID (ft. 8 ach item of t	5801 S Winters address) 0 KSI e strength) 5 Revision Rin.) N/A this report:	1 (class) N//	N/A (CRN)	2005 (year built) N/A (Code Case no.) Date N/A II (ft. & in:) N/A National Board No.
A. Type OS4* (dn dn dn dn dn dn dn dn dn dn dn dn dn d	ASME ASME	(mat1 spec. no.) 1974 (edition) st. Spec. (Div. 2 only) n. design thickness (in.) rs' Data Reports are attact National Board No. in Numerical Order	N/A hed for e	(name and 170 (tensile INTER 1975 addenda date) IVA (no) Par	address) 0 KSI 2 strength) 5 Revision 2 in.) N/A this report:	1 (class) N//	N/A (CRN)	2005 (year built) N/A (Code Case no.) Date N/A II (ft. & in:) N/A National Board No.
ASME Code Fabricated in Remarks: Nom. thicknet When applic (1) ADV (2) ADV (3)	ection III, Division 1: accordance with Con s (in.) N/A Min ole, Certificate Holde t or Appurtenance Serial Number	(mat'l spec. no.) 1974 (edition) est. Spec. (Div. 2 only) n. design thickness (in.) ers' Data Reports are attact National Board No. in Numerical Order	N/A hed for e	170 (tensile INTER 1975 addenda date) I/A no) Dia. ID (ft. & ach item of t	O KSI estrength) Revision Rin.) N/A this report:	Lengt	(CRN) A	(year built) N/A (Code Case no.) Date N/A II (ft. & in/) N/A National Board No.
. ASME Code . Fabricated in . Remarks : . Nom. thicknet. When applic . Pa (1) ADN (2) ADN (3)	ection III, Division 1: accordance with Con s (in.) _N/A _ Min ble, Certificate Holde t or Appurtenance Serial Number	1974 (edition) est. Spec. (Div. 2 only) A. design thickness (in.) ers' Data Reports are attack National Board No. in Numerical Order	N/A hed for e	INTER 1975 addenda date) VA no) Dia. ID (ft. 8 ach item of t	Revision Rin.) N/A this report:	Lengt	A th overal	N/A (Code Case no.) Date N/A II (ft. & in/) N/A National Board No.
. Remarks : . Nom. thicknet. When application (1) ADN (2) ADN (3)	s (in.) N/A Minole, Certificate Holde or Appurtenance Serial Number	(edition) ist. Spec. (Div. 2 only) ist. Spec. (Div. 2 only) in. design thickness (in.) irs' Data Reports are attace National Board No. in Numerical Order	N/A hed for e	Dia, ID (ft. 8 ach item of t	Revision	Lengt	h overal	(Code Case no. Date N/A
Remarks :	s (in.) N/A Min ole, Certificate Holde t or Appurtenance Serial Number	n. design thickness (in.) ers' Data Reports are attack National Board No. in Numerical Order	N/A hed for e	VA Dia, ID (ft. 8 ach item of t	& in.) N/A this report:	Lengt	h overal	Date N/A II (ft. & in:) N/A National Board No.
(1) ADV (2) (3)	ole, Certificate Holde t or Appurtenance Serial Number	National Board No. in Numerical Order	N/A hed for e	Dia. ID (ft. & ach item of t Par	this report:	nce		National Board No.
(1) ADV (2) (3)	ole, Certificate Holde t or Appurtenance Serial Number	National Board No. in Numerical Order	hed for e	ach item of t	this report:	nce		National Board No.
(1) ADV (2) (3)	ole, Certificate Holde t or Appurtenance Serial Number	National Board No. in Numerical Order	hed for e	ach item of t	this report:	nce		National Board No.
(1) ADV (2) (3)	ole, Certificate Holde t or Appurtenance Serial Number	National Board No. in Numerical Order	hed for e	ach item of t	this report:	nce		National Board No.
(1) ADV (2) (3)	ole, Certificate Holde t or Appurtenance Serial Number	National Board No. in Numerical Order	hed for e	ach item of t	this report:	nce		National Board No.
(1) ADV (2) (3)	ole, Certificate Holde t or Appurtenance Serial Number	National Board No. in Numerical Order	hed for e	ach item of t	this report:	nce		National Board No.
(1) AD\ (2) AD\ (3)	i or Appurtenance Serial Number	National Board No. in Numerical Order	(2	Par	t or Appurtena		in t	Board No.
(1) <u>ADN</u> (2) <u>ADN</u> (3)	Serial Number 34	Board No. in Numerical Order					in 1	Board No.
(1) <u>AD\</u> (2) <u>AD\</u> (3)	Serial Number 34	Board No. in Numerical Order					in I	Board No.
(2) AD\ (3)	34	in Numerical Order			Senai Muinbei		in t	
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(2) AD\ (3)				3)		ì		
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(18)	· · · · · · · · · · · · · · · · · · ·	· .	(4				· · · · · ·	
(19)			(4 (4					
(21)	· •		(4					
(22)			(4					
(23)			(4)	3)				
(24)			(4)					

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

FORM N-2 (Back — Pg. 2 of ______)

			J					
CERTIFICATION OF DESIGN								
Design specifications certified by	N/A	P.E. State	N/A	Reg. No.	N/A			
Design report* certified by	(when applicable) N/A (when applicable)	P.E. State	N/A	Reg. No.	N/A			
		·						
CERTIFICATE OF COMPLIANCE								
· · · · · · · · · · · · · · · · · · ·	in this report are correct and that this (these) of the ASME Code, Section III, Division 1.	DISC		<u>*</u> -				
NPT Certificate of Authorization No.	N-2434	Expires	5	5/20/2007	-			
Date 8/24/25 Name	SEE LINE 1 (NPT Certificate Holder)	Signed AVELL	Muli (authorized	representative)	<u> </u>			
CERTIFICATE OF INSPECTION								
of ARTFORD, CT. have of my knowledge and belief, the lll, Division 1. Each part listed has be by signing this certificate, neither the	mmission issued by the National Board of Boiler and demployed by HSB CT we inspected these items described in this Data R Certificate Holder has fabricated these parts or a sen authorized for stamping on the data shown ab inspector nor his employer makes any warranty, ther the inspector nor his employer shall be liable innected with this inspection.	eport on	dance with	and state to the ASME Code the equipment	hat to the e, Section described			
Date 8/26/05 Signed	(Authorized Nuclear Inspector)		endorsement	s) and state or pro	60 y v. and no.)			

·	ASME SECTION X	(I – REPAIR / REPL	ACEMENT Pag	geof\
 Component ID <u>IMRCEP</u>(Item Description: <u>Reacto</u> N-5 Data Package Number Original Construction Code Original Installation Code Work Description: <u>Repl.</u> ISI Flaw 	r Coolant Pump 1B : 1RC02-3 e Edition: 1974 Edition Edition: 1974 Edition, Wi	4. W.O. Number: j inter 1975 Addenda NDE Method of Flaw De Report Number:	· .	
9. Evaluation of the suitabilit	•		•	·
No failure of ASME III p 10. Repair/Replacement Wor 11. Replacement Items Const 12. Repair/Replacement Acti 13. ASME Section XI Code/I 14. Preservice Inspection Rec Initial AM Date 15. ASME Section XI Pressu Initial Date Initial Date Initial Date Initial Date	ruction or reconciled Code/ vity Construction Code/Edit Edition: 1992 Edition and quired: If required, re Test Required: If required, 16. Include ISI & A	Public Service Edition: Sec. III Cl 1, 19 tion: Sec. III Cl 1, 1974 I	74 Edition Edition 1975 Winter Act to perform Preservice for ISI & ANII Inspect fy NIS-2 Form has been	Inspection tion. n completed by
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
3 rd Stage Seal/Retainer	APN 45110762	Q95-1876 SN2A	N/A	WO 2960457
18. Planner Signature 19. ISI Signature 20. ANII Signature Signature	Dai 6-3: Da C-25 Da C-25	Printed Name: 8-07 Printed Name:	P.L. BROWNING RG HOGSTRO	Log Entry RLB

The second secon	A Section of the Control of the Cont			STANCE OF STANCE OF STANCE	e del Carolin di Santania		* * * * * * * * * * * * * * * * * * * *
1. Owner: <u>Arizona</u>	Public Service Co	mpany, et. al.	•	Da	te: 06-28-20	07	
<u>P. O. Bo</u>	x 53999, Phoenix	<u> Arizona 85072-20</u>	034	Sh	eet: <u>1</u> of.	2	. •.
2. Plant: Palo Ver	rde Nuclear Genera	ating Station		Un	it: 1		ü
5801 South Wintersburg Road., Tonopah, Arizona 85354-7529 Work Order Number 2894427							
3. Work Performed by: <u>Arizona Public Service Co.</u> Type of Code Stamp <u>None</u>							
5801 S. Wintersburg Rd., Tonopah, Arizona, 85354-7529 Authorization No. N/A							
				Ex	oiration Date	<u>N/A</u>	
4. Identification of S	System: Reactor Co	olant					
5. (a) Applicable Co	onstruction Code <u>AS</u>	ME Section III NB	, Class 1	1974 Edition, _	Adde	nda, <u>N/A</u> Code Ca	ase
(b) Applicable E	dition of Section XI	Utilized for Repair	s or Replaceme	ents: <u>1992 Ed</u>	tion, 1992 A	ddenda	
6. Identification of C	Components Repaired	d or Replaced and I	Replacement C	omponents	•		/
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identificatio	Year Built	Repaired or Replacement	ASME Code Stamped
							(Yes or NO)
Reactor Coolant Pump 1B	Combustion Engineering	1109-1B	23440	1MRCEP01B	1983 ·	Repaired	Yes
3 rd Stage Seal Retainer	Sultzer	Q95-1876 SN2A	· N/A	IMRCEP01B	2007	Replacement	No
/		,					
ų: ,							, ,
		;	,				
			,				
7. Description of Wo	ork: Mechanical Sea	l Replacement					-
8. Test Conducted: I	Hydrostatic 🗌 🗆	Pneumatic	Nominal Oper	rating Pressure	Exen	npt	6-2 🔲
Other	Other Pressure psi Test Temperature °F						
inches, (2) inform	nental sheets in formation in items 1 the eets is recorded at t	nru 6 on this repo	rt is included	-	-	•	

	FORM NIS-2 (Back)
	Remarks: 2894427 replaced the mechanical seal in 1MRCEP01B. Mechanical seal replacement is part of normal maintenance. Replacement seal was rebuilt by WO 2960457.
Pr	e-Pressured Test WO Review – ISI NOA 6-28-07 ANII 125 - 28-07
	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: Signed: Date: 7-4-07 Owner or Owner's Designee, Title
L	
	CERTIFICATE OF INSERVICE INSPECTION
	I, the undersigned, holding a valid commission issued by the National Board of boiler and 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.

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

Inspectors Signature

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

	ASME SECTION	XI – REPAIR / REP	LACEMENT Pa	geof
10. Repair/Replacement Wor	or Coolant Pump 2A : 1RC02-3 de Edition: 1974 Edition Edition: 1974 Edition, Vace the mechanical seals. ty of this work as per the repressure boundary. Mechanical seals.	Winter 1975 Addenda NDE Method of Flaw D Report Number: equirements of IWA - 4150 nical seal replacement as a	Detection: Detection: Detection: Detection: Detection:	ince.
11. Replacement Items Cons12. Repair/Replacement Acti13. ASME Section XI Code/	vity Construction Code/Edition: 1992 Edition a	dition: <u>Sec. III Cl 1, 1974</u> and 1992 Addenda	Edition 1975 Winter A	ddend <u>a</u>
Initial J. Date G. Initial J. Date G. Initial J. Date G. Initial J. Date G. Initial J. Date G. Initial J. Date G. Initial J. Date G. Initial J. Date G. Date G. Initial J. Date G. Date G. Initial J. Date G. Date G. Initial J. Date G. Date	If required: ->7-67 If required: ->7-67 If required 16. Inclu- ISI &	d, include a step in the W.C. ✓ YES	O. to perform Preservice O O for ISI & ANII Inspectify NIS-2 Form has been NP525 Status.	ction. en completed by
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
3 rd Stage Seal Retainer	APN 45110762	Q96-574 SN19	N/A	WO 2960472
		,		
			·	
18. Planner Signature 19. ISI Signature	Ja- 6.	Date	RG HOGSTROM	y Log Entry RB
- · /				

1. Owner: Arizona Public Service Company, et. al. Date: 06/27/2007								
<u>P. O. I</u>	Box 53999, Phoeni	x Arizona 85072-2	034		Sheet:	<u>1</u> of <u>2</u>	**	
2. Plant: Palo V	Verde Nuclear Gen	erating Station			Unit: <u>1</u>			
<u>5801 S</u>	5801 South Wintersburg Road., Tonopah, Arizona 85354-7529 Work Order Number 2894428							
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 o	f System: Reactor (Coolant	è				36.	
5. (a) Applicable	Construction Code 2	ASME Section III NE	B, Class 1	1974 Edition	n, A	Addenda,	Code Case	e
(b) Applicable	Edition of Section >	(I Utilized for Repair	s or Replace	ments: 199	2 Edition,	1992 Add	lenda	
6. Identification o	f Components Repai	red or Replaced and l	Replacement	Componen	ts		. ,	<u>/</u>
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Otl Identif		Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)
Reactor Coolant Pump 2A	Combustion Engineering	1109-2A	23441	1MRCEP(DIC .	1983	Repaired	YES
3 rd Stage Seal Retainer	Sultzer	Q96-574 SN19	N/A	1MRCEP(01C	2007	Replacement	NO
. /								
*								¥
7. Description of V	Work: Mechanical	Seal Replacement						
8. Test Conducted	: Hydrostatic	Pneumatic [Nomi	nal Operati	ng Pressure	· 🛛	Exempt	
N-4	N-416-2 Other Pressure psi Test Temperature °F							
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					

	(S-2 (Back)
 Remarks: 2894428 replaced the mechanical seal in 1MRCE maintenance. Replacement seal was rebuilt by WO 2960472 	
Pre-Pressured Test WO Review – ISI	18-07 ton 6-28-07
Certificate o	f Compliance
We certify that the statements made in the report are cor ASME Code, Section XI.	rect 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	1/ Eal- Date: 7-4-07
CERTIFICATE OF INSI	EDVICE INSPECTION
CERTIFICATE OF INSI	ERVICE INSPECTION
examinations and taken corrective measures describe	ployed by HSB CT of Hartford, Connecticut, have port during the period of
requirements of the ASME Code, Section XI.	
By signing this certificate, neither the Inspector nor his concerning the examinations and corrective measures de the Inspector nor his employer shall be liable in any ma loss of any kind arising from or connected with this insp	employer makes any warranty, expressed or implied, escribed in this Owner's report. Furthermore, neither inner for any personal injury or property damage or a
By signing this certificate, neither the Inspector nor his concerning the examinations and corrective measures de the Inspector nor his employer shall be liable in any ma	employer makes any warranty, expressed or implied, escribed in this Owner's report. Furthermore, neither inner for any personal injury or property damage or a

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	ASME SECTION X	(I – REPAIR / REPL	ACEMENT Pag	geof
 Component ID <u>1MRCEP</u> Item Description: <u>Reactors</u> N-5 Data Package Number Original Construction Code Original Installation Code Work Description: <u>Repl</u> ISI Flaw 	r Coolant Pump 2B : 1RC02-3 le Edition: 1974 Edition	4. W.O. Number: 2 inter 1975 Addenda NDE Method of Flaw De		
9. Evaluation of the suitabilit	y of this work as per the req	Report Number: uirements of IWA - 4150:		nce.
10. Repair/Replacement Wor				
11. Replacement Items Cons 12. Repair/Replacement Acti 13. ASME Section XI Code/ 14. Preservice Inspection Rec	truction or reconciled Code/L vity Construction Code/Edit Edition: 1992 Edition and	Edition: <u>Sec. III Cl 1, 19</u> ion: <u>Sec. III Cl 1, 1974 F</u>		<u>idenda</u>
Initial //A Date Date Date Date Date Date Date Date Date Date Date Date Date Date	re Test Required:	include a step in the W.O. YES NO include a step in the W.O. a step in the W.O. to verif	for ISI & ANII Inspec	tion.
Initial J. Date G	17. Include	ANII prior to approving INF a step in the W.O. to recomment items.		numbers for
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No
3 rd Stage Seal/Retainer	APN 45110762	Q96-574 SN10	N/A	WO 2960474
			-	
18. Planner Signature 19. ISI Signature	Da 6-37- Da 6-27-0	Printed Name:	Trames I R.L. BRECESTRO	Wagog Entry <u>RLB</u>
20. ANII Signature	. 6-27-c			

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1. Owner: Arizona Public Service Company, et. al.					Date: 06/	/27/2007	•	
P. O. Box 53999, Phoenix Arizona 85072-2034					Sheet: $\underline{1}$ of $\underline{2}$			
2. Plant: Palo Verde Nuclear Generating Station					Unit: <u>1</u>			
<u>5801 S</u>	South Wintersburg	Road., Tonopah. A	rizona 8535	<u> 34-7529</u>	Work Ord	er Numbe	er <u>2894429</u>	
3. Work Performe	d by: <u>Arizona Public</u>	<u>Service</u>			Type of C	ode Stam	p <u>None</u>	
					Authorizat	tion No.	<u>N/A</u>	
					Expiration	Date <u>N</u>	<u>//A</u>	
4. Identification o	f System: Reactor (<u>Coolant</u>					شو <i>ي</i> د	
5. (a) Applicable	Construction Code A	ASME Section III NB	, Class 1 1	974 Editio	n, A	Addenda,	Code Case	•
(b) Applicable	Edition of Section X	I Utilized for Repair	s or Replace	ments: 199	2 Edition,	1992 Ado	lenda	
6. Identification of	f Components Repai	red or Replaced and I	Replacement	Componer	nts	_	,	/.
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Ot. Identif	her ication	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)
Reactor Coolant Pump 2B	Combustion Engineering	1109-2B	23442	1MRCEP	01D	1983	Repaired	YES
3 rd Stage Seal Retainer	Sultzer	Q96-574 SN10	N/A	1MRCEP	01D	2007	Replacement	NO
/						• •	,	:
; ;								
7. Description of V	Vork: Mechanical	Seal Replacement						
8. Test Conducted	Hydrostatic	Pneumatic [Nomi	nal Operati	ng Pressure	e 🛛	Exempt	
. N-4	16-2 Other	Pressure psi			Test Ten	nperature	°F	-
inches, (2) info	NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 ½ X 11 inches, (2) information in items 1 thru 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the to of this form.							

FORM NIS-2 (Back)
9. Remarks: 2894429 replaced the mechanical seal in 1MRCEP01D. Mechanical seal replacement is part of normal maintenance. Replacement seal was rebuilt by WO 2960474.
Pre-Pressured Test WO Review – ISI WTA C-28-07 ANII 25 Arton c-28-07
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: Signed: Date: 7-4-07 Owner's Designee. Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of boiler and Pressure Vessel Inspectors and the State or Province of <u>Arizona</u> and employed by <u>HSB CT</u> of <u>Hartford, Connecticut</u> , have inspected the components described in this Owner's report during the period of
By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Commissions: NB 9685 "N" "1" AZ264 National Board, State, Province, and Endorsements

PV216-08NI (8-88)

·	ASME SECTION	AI – KEPAIK / KEFL		
1 Comment ID HELALIN	0451		Pag	ge of
Component ID <u>1JSIAUV</u> Item Description: <u>Shutdo</u>		colation Valve	•	
3. N-5 Data Package Number		4. W.O. Number: 2	2894693	
5. Original Construction Cod		_	.07407 <u>5</u>	•• ,
6. Original Installation Code				
7. Work Description: Mac				
8. ISI Flaw	inne die varve gonnet per b	NDE Method of Flaw De	tection:	
0. [_] 101 t law		Report Number:		•
9. Evaluation of the suitability	y of this work as per the re			
Minar M	achining to in	prove cleaver	ce. No fail	ure.
involves	1. RPmdan	prove cleaver 5/19/06	,	
		5/1: 7/6 -		
,			Ş	 장기
10. Densin Menlessen Wo	d. Occasiontiano Ariano	Dublic Camina		
 Repair/Replacement Wor Replacement Items Cons 			74 Edition 1075 Winte	r Addanda
12. Repair/Replacement Acti				
13. ASME Section XI Code/		nd 1992 Addenda	Zamon 1979 Willion Ac	<u>Iderida</u>
•		☐ YES ☑ NO		,
14. Preservice Inspection Re				,'
Initial <u>\(\frac{1}{A}\)</u> Date	If required	l, include a step in the W.O.	to perform Preservice	Inspection
15. ASME Section XI Pressu	re Test Required:	☐ YES 🖾 NO		*
Initial 19 Date	If required	I, include a step in the W.O.	for ISI & ANII Inspec	tion.
	12 7 1	le a step in the W.O. to com	nlete NIS.2 Form prior	to releasing the
Initial J Date S	-18-06 componen	-	piete 1413-2 Pormi prior	to releasing the
	17 Includ	le a step in the W.O. to reco	rd below all applicable	numbers for renaired or
Initial J, 10 Date 5	-18-06 replaceme	-	id ociow an applicable	numbers for repaired or
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
Bonnet /	76933			
Donnet	70933	Code# 2B58		
<u>.</u> .				
A.				<u> </u>
			·	
		,		
		1		
18. Planner	Dai 5-1	8-06 Printed Name:	James I. Davis	
Signature		Date		
19. ISI PHOOD	(A) 5-	19-06 Printed Name:	R.P. IN.D.	AP LOG Entry RPE
Signature		Date Fillied Name.		, Log Emily 4 w
21/-	~/		RG HOGSTR	n M
20. ANII The firm		7-06 Printed Name:	NO MOGNIK	
Organitute		~ 		

PV216-08NI (8-88)

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73DP-9ZZ17 Rev 9

1. Owner: Arizona Public Service Company, et. al.				1	Date: \underline{z}^{-2}	16-ch		
<u>P. O. I</u>	30x 53999, Phoeni	x Arizona 85072-20	034		Sheet:	<u>1</u> of <u>2</u>	· .	
2. Plant: Palo V	erde Nuclear Gene	erating Station			Unit: 1			-
5801 South Wintersburg Road., Tonopah, Arizona 85354-7529 Work Order Number 2894693								
3. Work Performed by: <u>Arizona Public Service</u> Type of Code Stamp <u>None</u>								
Authorizati					tion No.	<u>N/A</u>		
· ·	,				Expiration	Date N	<u>/A</u>	
4. Identification o	f System: Safety In	jection						
5. (a) Applicable	Construction Code 2	ASME Section III NB	, Class 1 1	1974 Editio	on, Winter 1	975 Add	enda, Code	e Case
(b) Applicable	Edition of Section >	KI Utilized for Repairs	s or Replace:	ments: <u>19</u>	92 Edition.	, 1992 A	ddenda	
6. Identification o	f Components Repai	red or Replaced and I	Replacement	Compone	nts			1
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.		ther fication	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)
Valve	Borg-Warner	26233	675	IJSIAUV	70651	1978	Repaired	YES
Bonnet	Borg-Warner	Code # 2B58	N/A	1JSIAUV	70651	1978	Repaired	YES
							·	
7. Description of	Work: Machine th	e bonnet stem bore	per DFWO	2894586.	<u>.</u>			
8. Test Conducted	: Hydrostatic	Pneumatic [Nom	inal Operat	ting Pressure	e 🗌	Exempt 🛛	
N-	416-2 Other	r Pressure <u>ula</u> psi	i		Test Ten	nperature	J/A °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)
9.	Remarks: WO 2894693 machined the bonnet assembly to provide additional clearance for the stem per DFWO 2894586. APPROX, CO, DAO" WILL BE THE F.D. VICREASE,
Pı	re-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 N/A
	Certificate of Authorization No. N/A Expiration Date: N/A Signed: Date: 5/25/04
	Owner or Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
	I, the undersigned, holding a valid commission issued by the National Board of boiler and Pressure Vessel Inspectors and the State or Province of <u>Arizona</u> and employed by <u>HSB CT</u> of <u>Hartford, Connecticut</u> , have inspected the components described in this Owner's report during the period of <u>5-19-06</u> to <u>5-19-06</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.
	By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's report. Furthermore, neither-the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
	Commissions: NB 9685 "N" "I" AZ264 Inspectors Signature National Board, State, Province, and Endorsements
	Date:_ 5-26-06

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			D-	- \ .e \
1 Commente DATECAT	705		Pa	ge of
 Component ID <u>1MDGAI</u> Item Description: <u>JACK</u> 				
3. N-5 Data Package Number		4. W.O. Number:	2894807	
 Original Construction Code 		1	<u>2074001</u>	***
 Original Constitution Code Original Installation Code 				•
7. Work Description: REP				
8. ISI Flaw	THE BROCK WILLIAM, WITH	NDE Method of Flaw D	etection:	
J 1511 iu		Report Number:		
9. Evaluation of the suitabili	ty of this work as per the re	•	,	
	LD UP TO CORRECT CO	-		E,
				
			į	
O Panair/Panlacement Wo	rk Organization: Arizona	Dublic Carvica	٥	
 Repair/Replacement Wo Replacement Items Cons 	,		974 Edition 1976 Sumr	ner Addenda
2. Repair/Replacement Act				
3. ASME Section XI Code/	•	nd 1992 Addenda	Edition 1979 Willion 1	rado i radi
4. Preservice Inspection Re	•	YES NO		, ,
4. Preservice hispection Re	<u> </u>	L IES E NO		/
nitial Date 4	-//-07 If required	l, include a step in the W.O	. to perform Preservice	Inspection
5. ASME Section XI Pressu				
13. ASIVIE SECTION AT FIESSI	are Test Required:)	
11/1				ction.
Initial MM Date 6	-//-07 If required	I, include a step in the W.O	. for ISI & ANII Inspec	•
Initial MM Date 6	-//-07 If required	I, include a step in the W.O. to versible a step in the W.O. to versible a.	. for ISI & ANII Inspectify NIS-2 Form has been	•
Initial MM Date 6	-//-07 If required 5-//-07 16. Include ISI &	I, include a step in the W.O. de a step in the W.O. to ver ANII prior to approving IN	. for ISI & ANII Inspectify NIS-2 Form has been IP525 Status.	en completed by
Initial MM Date 6	-//-07 If required 16. Includ ISI & 17. Includ	I, include a step in the W.O. to ver ANII prior to approving IN the a step in the W.O. to receive a step in the W.O. to receive a step in the W.O. to receive the way.	. for ISI & ANII Inspectify NIS-2 Form has been IP525 Status.	en completed by
Initial MM Date 6 Initial MM Date 6 Initial MM Date 6	-//-07 If required 16. Include ISI & 17. Include replace	I, include a step in the W.O. to ver ANII prior to approving IN the a step in the W.O. to receivement items.	for ISI & ANII Inspectify NIS-2 Form has been IP525 Status. Ord below all applicable	en completed by
nitial MM Date 6 nitial MM Date 6 nitial MM Date 6 Nitial MM Date 6	-//-07 If required 15. Include 15. & 17. Include replace Part No.	I, include a step in the W.O. to ver ANII prior to approving IN the a step in the W.O. to receive the a step in the W.O. to receive the w.O. to receive the w.	for ISI & ANII Inspectify NIS-2 Form has been IP525 Status. The below all applicable the Heat No.	en completed by e numbers for MR/PO/WO No.
nitial MM Date 6 nitial MM Date 6 nitial MM Date 6 Nitial MM Date 6	-//-07 If required 16. Include ISI & 17. Include replace	I, include a step in the W.O. to ver ANII prior to approving IN the a step in the W.O. to receivement items.	for ISI & ANII Inspectify NIS-2 Form has been IP525 Status. Ord below all applicable	en completed by
nitial MM Date 6 nitial MM Date 6 nitial MM Date 6 nitial MM Date 6 Name of the control of the c	-//-07 If required 15. Include 15. & 17. Include replace Part No.	I, include a step in the W.O. to ver ANII prior to approving IN the a step in the W.O. to receive the a step in the W.O. to receive the w.O. to receive the w.	for ISI & ANII Inspectify NIS-2 Form has been IP525 Status. The below all applicable the Heat No.	en completed by e numbers for MR/PO/WO No.
nitial MM Date 6 nitial MM Date 6 nitial MM Date 6 Nitial MM Date 6	-//-07 If required 15. Include 15. & 17. Include replace Part No.	I, include a step in the W.O. to ver ANII prior to approving IN the a step in the W.O. to receive the a step in the W.O. to receive the w.O. to receive the w.	for ISI & ANII Inspectify NIS-2 Form has been IP525 Status. The below all applicable the Heat No.	en completed by e numbers for MR/PO/WO No.
nitial MM Date 6 nitial MM Date 6 nitial MM Date 6 Item ID MDGAE05 rev spool	-//-07 If required 15. Include 15. & 17. Include replace Part No.	I, include a step in the W.O. to ver ANII prior to approving IN the a step in the W.O. to receive the a step in the W.O. to receive the w.O. to receive the w.	for ISI & ANII Inspectify NIS-2 Form has been IP525 Status. The below all applicable the Heat No.	en completed by e numbers for MR/PO/WO No.
nitial MM Date 6 nitial MM Date 6 nitial MM Date 6 Item ID MDGAE05 rev spool	-//-07 If required 15. Include 15. & 17. Include replace Part No.	I, include a step in the W.O. to ver ANII prior to approving IN the a step in the W.O. to receive the a step in the W.O. to receive the w.O. to receive the w.	for ISI & ANII Inspectify NIS-2 Form has been IP525 Status. The below all applicable the Heat No.	en completed by e numbers for MR/PO/WO No.
nitial MM Date 6 nitial MM Date 6 nitial MM Date 6 Item ID MDGAE05 rev spool	-//-07 If required 15. Include 15. & 17. Include replace Part No.	I, include a step in the W.O. to ver ANII prior to approving IN the a step in the W.O. to receive the a step in the W.O. to receive the w.O. to receive the w.	for ISI & ANII Inspectify NIS-2 Form has been IP525 Status. The below all applicable the Heat No.	en completed by e numbers for MR/PO/WO No.
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nitial MM Date 6 nitial MM Date 6 nitial MM Date 6 Item ID MDGAE05 rev spool	-//-07 If required 15. Include 15. & 17. Include replace Part No.	I, include a step in the W.O. to ver ANII prior to approving IN the a step in the W.O. to receive the a step in the W.O. to receive the w.O. to receive the w.	for ISI & ANII Inspectify NIS-2 Form has been IP525 Status. The below all applicable the Heat No.	en completed by e numbers for MR/PO/WO No.
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Initial MM Date Grantia	16. Included 181 & 17. Included 181 18. 17. Included 18.	I, include a step in the W.O. to ver ANII prior to approving IN the a step in the W.O. to receivement items. Serial No. 9-20016-01-1 Printed Name:	for ISI & ANII Inspectify NIS-2 Form has been IP525 Status. The below all applicable the Heat No.	en completed by e numbers for MR/PO/WO No WO 2894807
Initial MM Date Grant	16. Included ISI & 17. Included replaced Part No. 4-321-19-815-007 18. 19.	I, include a step in the W.O. to ver ANII prior to approving IN the a step in the W.O. to receive the step in the W.O. to receive the step in the W.O. to receive the step in the W.O. to receive the step in the W.O. to receive the step in the W.O. to receive the step in the W.O. to receive the step in the W.O. to receive the step in the W.O. to receive the step in the W.O. to receive the step in the W.O. to ver ANII prior to approving IN the step in the W.O. to ver ANII prior to approving IN the step in the W.O. to ver ANII prior to approving IN the step in the W.O. to receive the step in the w.O. to receive the step in the w.O. to receive the step in the w.O. to receive the step in the w.O. to receive the step in the w.O. to receive the step in the w.O. to receive the step in the w.O. to receive the step in the w.O. to receive the step in the w.O. to receive the step in the w.O. to receive the step in the w.O. to receive the step in the w.O. to receive the step in the w.O. to receive the step in the w.O. to receive the w.O. to receive the step in the w.O. to receive the step in the w.O. to receive the w.O. to receive the w.O. to receive the w.O. to receive the w.O. to receive the w.O. to receive	ify NIS-2 Form has been IP525 Status. Ord below all applicable Heat No. N/A	en completed by e numbers for MR/PO/WO No WO 2894807
Initial MM Date Grant	16. Included ISI & 17. Included replaced Part No. 4-321-19-815-007 18. 19.	I, include a step in the W.O. to ver ANII prior to approving IN the a step in the W.O. to receive the step in the W.O. to receive the step in the W.O. to receive the step in the W.O. to receive the step in the W.O. to receive the step in the W.O. to receive the step in the W.O. to receive the step in the W.O. to receive the step in the W.O. to receive the step in the W.O. to receive the step in the W.O. to ver ANII prior to approving IN the step in the W.O. to ver ANII prior to approving IN the step in the W.O. to ver ANII prior to approving IN the step in the W.O. to receive the step in the w.O. to receive the step in the w.O. to receive the step in the w.O. to receive the step in the w.O. to receive the step in the w.O. to receive the step in the w.O. to receive the step in the w.O. to receive the step in the w.O. to receive the step in the w.O. to receive the step in the w.O. to receive the step in the w.O. to receive the step in the w.O. to receive the step in the w.O. to receive the step in the w.O. to receive the w.O. to receive the step in the w.O. to receive the step in the w.O. to receive the w.O. to receive the w.O. to receive the w.O. to receive the w.O. to receive the w.O. to receive	ify NIS-2 Form has been IP525 Status. Ord below all applicable Heat No. N/A	en completed by e numbers for MR/PO/WO No WO 2894807
Initial MM Date G Initial MM Date G Initial MM Date G Initial MM Date G Item ID IMDGAE05 rev spool 18. Planner MCM Signature	16. Included ISI & 17. Included replaced Part No. 4-321-19-815-007 6-7/2	I, include a step in the W.O. to ver ANII prior to approving IN the a step in the W.O. to receive the step in the W.O. to receive the step in the W.O. to receive the step in the W.O. to receive the step in the W.O. to receive the step in the W.O. to receive the step in the W.O. to receive the step in the W.O. to receive the step in the W.O. to receive the step in the W.O. to receive the step in the W.O. to ver ANII prior to approving IN the step in the W.O. to ver ANII prior to approving IN the step in the W.O. to ver ANII prior to approving IN the step in the W.O. to receive the step in the w.O. to receive the step in the w.O. to receive the step in the w.O. to receive the step in the w.O. to receive the step in the w.O. to receive the step in the w.O. to receive the step in the w.O. to receive the step in the w.O. to receive the step in the w.O. to receive the step in the w.O. to receive the step in the w.O. to receive the step in the w.O. to receive the step in the w.O. to receive the step in the w.O. to receive the w.O. to receive the step in the w.O. to receive the step in the w.O. to receive the w.O. to receive the w.O. to receive the w.O. to receive the w.O. to receive the w.O. to receive	ify NIS-2 Form has been IP525 Status. Ord below all applicable Heat No. N/A	en completed by e numbers for MR/PO/WO No WO 2894807
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Initial MM Date G Initial MM Date G Initial MM Date G Initial MM Date G Item ID IMDGAE05 rev spool 18. Planner MCS Signature 19. ISI MM Signature	16. Included ISI & 17. Included replaced Part No. 4-321-19-815-007 6-1/2 6-1/2 6-1/2 6-1/2 6-1/2	I, include a step in the W.O. to ver ANII prior to approving IN the a step in the W.O. to receivement items. Serial No. 9-20016-01-1 Printed Name: Date Printed Name:	ify NIS-2 Form has been IP525 Status. Ord below all applicable Heat No. N/A	en completed by e numbers for MR/PO/WO No WO 2894807 Steadog Entry Wa

As Required by the Provisions of the ASME Code Section XI

		الرجينية والمسترين والمستريد والمستريد	المستجيزية والمستجنب		-			
1. Owner: Arizo	1. Owner: Arizona Public Service Company, et. al. Date: 6/11/07							
<u>P. O. I</u>	30x 53999, Phoeni	x Arizona 85072-20	034		Sheet: $\underline{1}$ of $\underline{2}$			
2. Plant: Palo V	2. Plant: Palo Verde Nuclear Generating Station				Unit: <u>1</u>			
<u>5801 S</u>	South Wintersburg	Road., Tonopah, A	rizona 8535	64-7529	Work Ord	er Numbe	r <u>2894807</u>	
3. Work Performe	ed by: <u>Arizona Public</u>	c Service		•	Type of C	ode Stamp	None None	•
			•	·	Authoriza	tion No.	<u>N/A</u>	
		•			Expiration	Date N/	<u>A</u>	
4. Identification o	f System: <u>1MDGA</u>	<u>E05</u>		¥	· .		#15°.	
5. (a) Applicable	Construction Code A	ASME Section III ND), Class 3 1	1 <u>974</u> Editio	n, <u>Summer</u>	1976 Add	enda, Co	de Case
(b) Applicable	Edition of Section X	KI Utilized for Repair	s or Replace	ments: <u>199</u>	92 Edition.	1992 Ac	ldenda	
6. Identification o	f Components Repai	ired 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)
Jacket water cooler	American standard	9-20016-01-1	31978	1MDGAI	E05	1978	Repaired	YES
,					,			
``	e.							
			·					
7. Description of V	Work: Weld build	up of corroded area	on the reve	ersing spo	ol flange.	W.O. 289	4807	
8. Test Conducted	: Hydrostatic	Pneumatic [☐ Nomi	nal Operati	ing Pressure	e 🗵 🗆	Exempt	
N -4	16-2 Other	Pressure psi	i		Test Ten	nperature	<u>72</u> ∘F	
NOTE: Supple	emental sheets in f	orm of lists sketch	eć or drawi	ngs may h	e used pro	wided (I)	size is 8 1/4 X	11
NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 ½ X 11								

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 corroded area on the reversing spool flange. W.O. 2894807	Every server
P	re-Pressured Test WO Review – ISI	
	ANII ANII C-18-07	
	Certificate of Compliance	
	We certify that the statements made in the report are correct and this repair conforms to the rules of the ASME Code, Section XI.	
	Type Code Symbol Stamp N/A	I
	Certificate of Authorization No. N/A Expiration Date: N/A	
	Certificate of Authorization No. N/A Expiration Date: N/A Signed: Owner or Owner's Designee, Title	
		l
χ I		erend.
	CERTIFICATE OF INSERVICE INSPECTION	
	I, the undersigned, holding a valid commission issued by the National Board of boiler and Pressure Vessel Inspectors and the State or Province of Arizona and employed by HSB CT of Hartford, Connecticut, have inspected the components described in this Owner's report during the period of	
	By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions: NB 9685 "N" "I" AZ264	
	Inspectors Signature National Board, State, Province, and Endorsements	
1200	Date: 6-18-07	

	ASME SECTION	XI – REPAIR / RE	PLACEMENT	
			Page	1 of1
1. Component ID 1MDGBI	E05	2. Code Class	ASME Section III Cl	ass 3
3. Item Description: JACK	ET WATER COOLER	•		
4. N-5 Data Package Number	er: <u>1DG02-8</u>	5. W.O. Number	r: 2894808	··· .
6. Original Construction Co				**
7. Original Installation Cod	,	-		
8. Work Description: <u>RE</u>	PAIR BASE METAL WIT		D	-
9. 🔲 ISI Flaw		NDE Method of Flaw	Detection:	•
10. Evaluation of the suitab	ility of this work as per the	Report Number:	150	
				C DEDAIDED
	P OF BASE MATERIAL F		UM WALL I HICKNES	S. KEPAIRED
AREAS TO BE COVE	RED/PROTECTED WITH	COATING		
				-
, i		D.11. 0	e.	
11. Repair/Replacement Wo			1074 Edition 1076 Summ	
12. Replacement Items Con13. Repair/Replacement Ac				·
14. ASME Section XI Code	<u> </u>	and 1992 Addenda	4 Edition 1975 White A	ddenda
15. Preservice Inspection R	•	☐ YES 🖾 N		,
11/1		_		
Initial Date	5-27-07 If require	d, include a step in the W	O. to perform Preservice	Inspection
16. ASME Section XI Press	sure Test Required:	⊠ YES □ N	1O	
Initial Date	5-27-07 If require	d, include a step in the W.	O. for ISI & ANII Inspec	ction.
		ide a step in the W.O. to co	omplete NIS-2 Form prio	or to releasing the
Initial M Date	5-27-07 compone		omprete 1115 2 1 om prio	· to releasing me
111/	- 2 18. Inclu	de a step in the W.O. to re	ecord below all applicable	e numbers for repaired or
Initial Date	5-27-07 18. Inclu	<u>-</u>	, core	, and the second of
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
1MDGBE05/SPOOL	4-321-19-815-007	9-20016-01-3	N/A	W.O.# 2894808
				_
		, , , , , , , , , , , , , , , , , , ,	•	
	,			·
		•		·
	// -/			
19. Planner Signature	5/26/	Printed Nam	e: GORDON QUINN	
Signature	. /	/		
20. ISI <u>L</u>	5/24/	Printed Nam	e: BIU LEHMO	N
Signature	/ /	Date	•	
21. ANII R. Hogsfrom Signature	per tele con Mal	Printed Nam	e: R. Hopstrom / M	Marka Sollicon

PV=E0093 Ver. 7

			து நடித்தில் வெளி	V		taken in the place of	ALOS AND AND AND AND AND AND AND AND AND AND	TOTAL NAME OF THE OWNER.
1. Owner: Arizon	na Public Service (Company, et. al.			Date:	05/26/200)7	
<u>P. O. I</u>	Box 53999, Phoeni	x Arizona 85072-	<u>-2034</u>		Sheet	:: <u>1</u> , of ;	2	٠
2. Plant: Palo V	Verde Nuclear Gene	erating Station			Unit:	1		
<u>5801 S</u>	South Wintersburg	Road., Tonopah,	Arizona 8535	<u>54-7529</u>	Work	Order Num	nber <u>2894808</u>	
3. Work Performed by: Arizona Public Service Type of Code Stamp None								
					Autho	orization No). <u>N/A</u>	
					Expir	ațion Date	<u>N/A</u>	
4. Identification o	of System: <u>1MDGB</u>	<u>E05</u>	UD Mar John 1					
5. (a) Applicable	Construction Code A	ASME Section III	F, Class 3	<u>1974</u> Editio	n, <u>Win</u>	<u>iter 1975</u> Ac	ddenda, <u>N/A</u> Cod	e Case
(b) Applicable	Edition of Section X	KI Utilized for Repa	airs or Replace	ments: <u>199</u>	92 Edi	tion, 1992	Addenda	
6. Identification of	f Components Repai	ired or Replaced and	d Replacement	: Componer	nts			/
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Othe Identifica		Year Built	Repaired or Replacement	ASME Code Stamped (Yes or NO)
DG "B" J.W. COOLER	American standard	9-20016-01-3	33116	1MDGBE	305	1979	Repaired	YES
. /								
								١
			,					
,					. 1			
7. Description of V	Work: Weld build	up of cooler flang	ge & pipe are:	a. W.O. 28	394808	3		
8. Test Conducted:	: Hydrostatic	Pneumatic	Nominal Op	perating Pre	essure	⊠ Ex€	empt N-4	416-1 🔲
Oth	Other Pressure psi Test Temperature °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: Weld build up of Jacket water cooler reversing spool flange & pipe area. W.O. 2894808

Certificate of Compliance					
We certify that the statements made in the ASME Code, Section XI.	he report are correct	t and this repair conforms to th	e rules of the		
Type Code Symbol Stamp	N/A				
Certificate of Authorization No.	<u>N/A</u>	Expiration Date:	N/A		
Signed: Wy William Owner or Owner's I	S 181 ENO	GINEER Date: 6	7-07		

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued Inspectors and the State or Province of Arizona and eminspected the components described in this Owner's reto, and state that to the best of examinations and taken corrective measures described requirements of the ASME Code, Section XI.	ployed by HSB CT of Hartford, Connecticut, have port during the period of
By signing this certificate, neither the Inspector nor his concerning the examinations and corrective measures d the Inspector nor his employer shall be liable in any maloss of any kind arising from or connected with this insp	escribed in this Owner's report. Furthermore, neither anner for any personal injury or property damage or a
Inspectors Signature	Commissions: NB 9685 "N" "I" AZ264 National Board, State, Province, and Endorsements

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

	ASME SECTION	XI – REPAIR / REP	LACEMENT	
			Pa	ge of
1. Component ID <u>1MDGBE</u>	-			
2 Item Description: <u>LUBE</u>	•		(2	
3. N-5 Data Package Number	· · · · · · · · · · · · · · · · · · ·	4. W.O. Number:	28948 08	*
5. Original Construction Cod		,		•
6. Original Installation Code				
	AIR BASE METAL WITH			
8. 🔲 ISI Flaw		NDE Method of Flaw I	retection:	*
9. Evaluation of the suitabilit	v of this work as per the re	Report Number:	ገ •	
	ASE MATERIAL REQUI			THICKNESS,
to correct co	BE PROTECTED WITH (roded areas	due contina	E. Henre & . D.	DP 6/24/07
10 00 00			[a100003 5]	1 2 2 0 1 1 9 1 1 9 1 1 1 1 1 1 1 1 1 1 1 1 1
10. Repair/Replacement Wor	k Organization: Arizona	Public Service		
11. Replacement Items Const			974 Edition 1976 Sumr	ner Addenda
12. Repair/Replacement Acti				
13. ASME Section XI Code/I		nd 1992 Addenda	Baltion 1975 William	<u>iddonau</u>
14. Preservice Inspection Rec		☐ YES 🖾 NO		
.//	•			
Initial Mar Date 5	If required	, include a step in the W.O	D. to perform Preservice	Inspection
15. ASME Section XI Pressu	re Test Required:	☑ YES ☐ N	0	
Initial M/L Date 5	- 24-07 If required	, include a step in the W.C	O. for ISI & ANII Inspec	ction.
1 ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '		e a step in the W.O. to ve	rify NIS-2 Form has bee	en completed by
Initial MM Date 5-	151 &	ANII prior to approving I		on completed by
1111	2. 17 Includ	e a step in the W.O. to rec	ord below all applicable	e numbers for
Initial My Date 5	replace	ement items.	ora ooro warr approach	
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
1MDGBE04 INLET	4-305-19-215-019	9-20016-02-4	N/A	WO 28948 08 WO
 1MDGBE04 REVERSING	4-305-19-215-019	9-20016-02-4	N/A	WO 28948 08 ما
IMDGBEON cover outlet	4-305-19-218-44	9-20016-02-4	a(1-	ev-0-2594FW
		· · · · · · · · · · · · · · · · · · ·		<u> </u>
		,		
M M	1/1/ 500		M / >	C //
18. Planner May	M 5-24	Printed Name	Marky J.	Sulle'u e a P Log Entry RPP
organitude 1	2	I.	00-	
19. ISI 98010G	(1) 5/24/	87 Printed Name	. K M INDA	Pr. THE
		Fillied Name		Log Entry W F
 Signature		ate		
20. ANII R Aptur	5-24-c	ate	R.G. Houstre	

	والمراكب والمراجع والم والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراج							
1. Owner: <u>Arizo</u>	1. Owner: Arizona Public Service Company, et. al. Date: 05/24/07							
<u>P. O. I</u>	30x 53999, Phoeni	x Arizona 85072-20	034		Sheet:	<u>1</u> of <u>2</u>	* .	
2. Plant: Palo V	erde Nuclear Gen	erating Station			Unit: <u>1</u>			_
<u>5801 S</u>	South Wintersburg	Road., Tonopah, A	rizona 8535	54-7529	Work Ord	er Number	<u>2894812</u>	
3. Work Performed by: Arizona Public Service Type of Code Stamp None								
					Authoriza	tion No.	<u>N/A</u>	
					Expiration	Date N/	<u>A</u>	
4. Identification o	f System: <u>1MDGA</u>	E04				,		
5. (a) Applicable	Construction Code 2	ASME Section III ND), Class 3	1 <u>974</u> Editic	on, <u>Summer</u>	<u>1976</u> Add	enda, Co	de Case
(b) Applicable	Edition of Section >	XI Utilized for Repair	s or Replace	ments: <u>19</u>	92 Edition	, 1992 Ac	ldenda	٠
6. Identification o	f Components Repai	red or Replaced and I	Replacement	Componer	nts		/	<i>.</i>
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)
Lube oil cooler	American standard	9D2703	33119	1MDGBI	E04	1979	Repaired	YES
					•			
/							·	
	·							
	·		•					
	· · · · · · · · · · · · · · · · · · ·		,					
7. Description of V	Work: Weld build	up of corroded area	on the inle	t outlet sp	ool and re	versing cl	hannel. W.O. 2	894812
8. Test Conducted	: Hydrostatic	Pneumatic [Nomi	inal Operat	ing Pressure		Exempt [
N-4	416-2 Other	Pressure psi	. :		Test Ten	nperature	°F	
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					

FOR	M NIS-2 (Back)
9. Remarks: Weld build up of corroded area on the in against corrosion. w.o.2894812	nlet outlet spool and reversing channel. Area to be coated to protect
Pre-Pressured Test WO Review – ISI	
ANII	
We certify that the statements made in the report Code, Section XI.	rt are correct and this repair conforms to the rules of the ASME N/A
Certificate of Authorization No. Signed: Owner or Owner's Designee,	N/A Expiration Date: N/A 151 ENGINEER Date: 6-9-07 Title

CERTIFICATE OF INSERVICE INSPECTION

, , , , ,	by the National Board of Doller and Pressure Vessel
inspectors and the State or Province of Arizona and en inspected the components described in this Owner's re-	nployed by <u>HSB CT</u> of <u>Hartford, Connecticut</u> , have
• · · · · · · · · · · · · · · · · · · ·	of my knowledge and belief, the Owner has performed
	of my knowledge and benef, the Owner has performed bed in this Owner's Report in accordance with the
requirements of the Month Code, occilon 71.	
concerning the examinations and corrective measures of	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.
	r
Inspectors Signature	Commissions: NB 9685 "N" "I" AZ264
Inspectors Signature	National Board, State, Province, and Endorsements
•	· · · · · · · · · · · · · · · · · · ·

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	ASME SECTION	XI – REPAIR / REPI	LACEMENT Pag	ge 1 of 4				
1. Component ID 1JSGEPSV	/0694		· · · · · · · · · · · · · · · · · · ·					
2 Item Description: Main S		er 6"- 3707RAX-RT-25; 13	15 PSIG					
3. N-5 Data Package Number:		4. W.O. Number:						
5. Original Construction Cod	e Edition: 1974 Edition,	Summer 1975 Addenda		# 1				
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. SI Flaw	8. ISI Flaw NDE Method of Flaw Detection: N/A							
0 Evaluation of the cuitabilit	Report Number: N/A 9. Evaluation of the suitability of this work as per the requirements of IWA - 4150:							
	Not a failure of the ASME III pressure boundary. Spare valve is a like-for-like replacement and is being replaced based							
		bare valve is a like-lor-like	replacement and is ben	ig replaced based				
upon in service pressure t	esting (trevitesting).							
10. Repair/Replacement Wor	k Organization, Arizona	Dublic Corvice						
11. Replacement Items Const	,		974 Edition Summer 19	775 Addenda				
12. Repair/Replacement Acti								
13. ASME Section XI Code/I	•	nd 1992 Addenda						
14. Preservice Inspection Rec	quired:	☐ YES ⊠ NO						
Initial N/A Date	Tf manyimas	d implicate a stam in the W.O.	to martarm Propagation	Inonaction				
	-		_	Inspection				
15. ASME Section XI Pressu	•	⊠ YES □ NO						
Initial 1977 Date 5	4001	d, include a step in the W.O	. for ISI & ANII Inspec	tion.				
Initial Dany Date 5	-25-07 16. Includ	de a step in the W.O. to vers ANII prior to approving IN		n completed by				
,	2 - 17 Includ	de a step in the W.O. to reco	ord below all applicable	numbers for				
Initial My Date 3	replace	cement items.	ord octow air approach	, named to				
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.				
Safety Valve	APN 45003638	BT-01679	N/A	MR /234526				
	· · · · · · · · · · · · · · · · · · ·							
. 📆								
18. Planner Dowlyn,	South 5-2	5-07 Printed Name	DAYD M.	GNALET				
Signature		Date Printed Name:						
RPL da	p 5/05	(07	R.P. INDAP	- RPP				
19. ISI Signature	J 2/03	Date Printed Name:	THE THE THE	Log Entry				
20 ANII 24 Lt	5-25-	707 Dalaman	R.G. HOGSTRO	oM.				
20. ANII Signature	········ -	Date Printed Name:						

	ASME SECTION X	I – KEPAIK / KEPL		ge 2 of 4		
1. Component ID <u>IJSGEPSV0557</u> 2. Item Description: <u>Main Steam Safety Valve</u> ; <u>Dresser 6"- 3707RAX-RT-25</u> ; 1315 PSIG 3. N-5 Data Package Number: <u>ISG02-6</u> 4. W.O. Number: <u>2894829</u> 5. Original Construction Code Edition: <u>1974 Edition, Summer 1975 Addenda</u> 6. Original Installation Code Edition: <u>1974 Edition, Winter 1975 Addenda</u> 7. Work Description: <u>Replacement of Main Steam Safety Valve with a reconditioned and tested spare.</u> 8. ☐ ISI Flaw NDE Method of Flaw Detection: N/A Report Number: N/A 9. Evaluation of the suitability of this work as per the requirements of IWA - 4150: Not a failure of the ASME III pressure boundary. Spare valve is a like-for-like replacement and is being replaced based upon in service pressure testing (trevitesting). 10. Repair/Replacement Work Organization: <u>Arizona Public Service</u> 11. Replacement Items Construction or reconciled Code/Edition: <u>Sec. III Cl 2, 1974 Edition Summer 1975 Addenda</u> 12. Repair/Replacement Activity Construction Code/Edition: <u>Sec. III Cl 2, 1974 Edition 1975 Winter Addenda</u> 13. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 14. Preservice Inspection Required: ☐ YES ☑ NO						
Initial M/A Date	If required,	include a step in the W.O.	to perform Preservice	Inspection		
15. ASME Section XI Pressu	re Test Required:	⊠ YES □ NO				
Initial Proof Date 5. Initial Proof Date 5. Initial Proof Date 5.	-25-07 16. Include ISI & A	include a step in the W.O. a step in the W.O. to verify. NII prior to approving IN. a step in the W.O. to reco	y NIS-2 Form has bee P525 Status.	n completed by		
		ment items.	TT (N)	I MO TO ANO N		
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.		
Safety Valve	APN 45003638	BS-08602	N/A	MR 1234 528		
				<u> </u>		
	<u> </u>	<u>'</u>				
18. Planner Signature 19. ISI Signature 20. ANII Signature		Printed Name:	DADID M. R.P. INDAP	Log Entry RPP		
20. ANII Signature	Da		7.01. 10001100	- \		

	ASME SECTION XI - REPAIR / REPLACEMENT					
			Pa	ge <u> </u>		
1. Component ID <u>1JSGEPSV</u>	,					
2 Item Description: Main S	·					
3. N-5 Data Package Number:	-	4. W.O. Number: 2	2894829			
5. Original Construction Cod6. Original Installation Code						
J	acement of Main Steam Safe		med and tested snare			
8. ISI Flaw	ecinem of want steam san	NDE Method of Flaw De	-			
		Report Number: N/A				
9. Evaluation of the suitabilit	y of this work as per the req	• .				
Not a failure of the ASMI	E III pressure boundary. Spa	are valve is a like-for-like r	eplacement and is beir	ng replaced based		
upon in service pressure t	esting (trevitesting).					
10. Repair/Replacement Work Organization: <u>Arizona Public Service</u>						
11. Replacement Items Const						
12. Repair/Replacement Acti	•		Edition 1975 Winter A	<u>ddenda</u>		
13. ASME Section XI Code/I						
14. Preservice Inspection Rec	quired:	☐ YES		/		
Initial <u>W/A</u> Date	If required,	include a step in the W.O.	to perform Preservice	Inspection		
15. ASME Section XI Pressu	re Test Required:					
Initial Ourse Date 5-	25-△7 If required,	include a step in the W.O.	for ISI & ANII Inspec	etion.		
Initial May Date 5	-25-≥7 16. Include ISI & A	e a step in the W.O. to verif		n completed by		
Initial M16 Date 5	-25-D7 17. Include replace	e a step in the W.O. to recoment items.	rd below all applicable	e numbers for		
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.		
Valve	APN 45003638	BS-08604 5-2507	N/A	MR 12345 29		
· · · · · · · · · · · · · · · · · · ·						
	<u> </u>			1 1		
in the state of th						
·						
18. Planner Signature			DAYIO M.	GODOLET		
Signature	1.	ate	$\mathcal{D}\mathcal{D}$			
19. ISI Signature	D 5/25	Printed Name:	R.P. INDAF	Log Entry TO		

5-25-07 Date

Signature

Printed Name: R.G. HOGSTROM

ASME SECTION XI – REPAIR / REPLACEMENT						
			Pa	ge <u> </u>		
1. Component ID <u>1JSGEPSV</u> 2 Item Description: <u>Main S</u> 3. N-5 Data Package Number: 5. Original Construction Code 6. Original Installation Code 7. Work Description: <u>Replain</u> 8. Is Is Is Is Is Is Is Is Is Is In Is In Is Is Is Is Is In Is Is Item Is Item Is Is Is Is Is In Is Is Is In Is Is Is In Is Is Is In Is Is Is In Is Is Is Is In Is Is Is In Is Is Is In Is Is Is In Is Is Is In Is Is Is In Is Is Is In Is Is Is In Is Is Is In Is Is Is In Is Is In Is Is In Is Is Is In Is Is In Is Is Is In Is Is Is Is Is In Is Is Is In Is Is Is Is Is Is Is In Is Is Is Is Is Is Is Is Is Is Is Is Is	team Safety Valve; Dressed 1SG01-6 Edition: 1974 Edition, Valuement of Main Steam Safety The of this work as per the result of the second steam	4. W.O. Number: Summer 1975 Addenda Winter 1975 Addenda afety Valve with a recondition NDE Method of Flaw De Report Number: N/A	15 PSIG 2894829 oned and tested spare. etection: N/A	e de de de la companya de la company		
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 MA Date If required, include a step in the W.O. to perform Preservice Inspection 15. ASME Section XI Pressure Test Required: YES NO Initial Date 5-25-07 If required, include a step in the W.O. for ISI & ANII Inspection. 16. Include a step in the W.O. to verify NIS-2 Form has been completed by ISI & ANII prior to approving INP525 Status. Initial Date 5-25-07 Include a step in the W.O. to record below all applicable numbers for replacement items.						
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.		
Safety Valve	APN 45003638	BS-08604	N/A	MR 1234524		
18. Planner Signature 19. ISI Signature 20. ANII SKI Fatara	P 5/d	Date S v Printed Name: Date Printed Name:	DAVID M, R.F. Freday	Log Entry RPL		

Date

Signature

1. Owner: Arizona Public Service Company, et. al.					Date: <u>6/2</u>	1/2007		
<u>P. O. E</u>	Box 53999, Phoeni	x Arizona 85072-20)34	ï	Sheet:	<u>1</u> of <u>2</u>	~ · · · ·	
2. Plant: <u>Palo V</u>	erde Nuclear Gene	erating Station			Unit: <u>1</u>			
<u>5801 S</u>	South Wintersburg	Road., Tonopah, Aı	rizona 8535	54-7529	Work Orde	er Numbeı	r <u>2894829</u>	•
3. Work Performe	ed by: <u>Arizona Public</u>	: Service			Type of Co	ode Stamp	None None	
					Authorizat	tion No.	<u>N/A</u>	
					Expiration	Date <u>N/</u>	<u>A</u>	
4. Identification of	of System: <u>SG: Mair</u>	n Steam System						
5. (a) Applicable	Construction Code /	ASME Section III NC.	, Class 2	<u>1974</u> Editic	on, <u>Summer</u>	<u>1975</u> Add	enda, Co	de Case
(b) Applicable	Edition of Section >	XI Utilized for Repairs	s or Replace	ments: <u>19</u>	92 Edition,	, 1992 Ad	ldenda	
6. Identification of	f Components Repai	red or Replaced and F	Replacement	Compone	nts	-		1
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	B C	ther ification	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)
Safety Valve	Dresser	BT-01679	N/A	1JSGEPS	SV0694	1979	Replacement	YES
Safety Valve	Dresser	BS-08602	N/A	1JSGEPS	SV0557	1980	Replacement	YES
Safety Valve	Dresser	BS-08603	N/A	1JSGEPS	SV0575	1980	Replacement	YES
Safety Valve /	Dresser	BS-08604	N/A	1JSGEPS	SV0692	1980	Replacement	YES
4								,
			,					
7. Description of V	Work: Replace for	ır (4) main steam sa	ıfety valves	with a re	conditioned	d & tested	l spares.	
8. Test Conducted	d: Hydrostatic	Pneumatic [Nom	inal Opera	ting Pressure	e 🛛	Exempt [
. N-4	416-2 Other	r Pressure psi	i		Test Ten	nperature	°F	
			•	S				
inches, (2) info	ormation in items 1	form of lists, sketched thru 6 on this repo	ort is include					

FORM	NIS-2	(Back)
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9.	
	reconditioned and tested spares during 1R13.
Pı	e-Pressured Test WO Review – ISI ANII 24 form 6/22/07
	ANII 24 tytan 6-23-07
	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 StampN/A
	Certificate of Authorization No. N/A Expiration Date: N/A
	Signed: Order Operate Date: 7-13-07
	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 5-25-07 to 7-13-07, 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
	. National Board, State, Province, and Endorsements
:	Date: 7-13-07

`PV216-08NI (8-88)

:	ASME SECTION :	XI – REPAIR / REPL	ACEMENT	
			Page	e <u> </u>
1. Component ID 1PSIAL24	8			
2 Item Description: Spool p		AV056		
3. N-5 Data Package Number		4. W.O. Number: 2	2895711	
5. Original Construction Cod				
6. Original Installation Code			N. 10006670	
7. Work Description: <u>Reins</u>8. ☐ ISI Flaw	stall the blind flange remov	NDE Method of Flaw De		
6. [] 131 Plaw		Report Number:	ection.	
9. Evaluation of the suitabilit	v of this work as per the rec	•		•
·	Modification, no ASME (
Restoration of Tomporar	Modification, no ribiniz	/		
·				
			# <u>.</u>	<u>.</u>
10. Repair/Replacement Wor	k Organization: Arizona	Public Service		
11. Replacement Items Const			74 Edition 1975 Summe	er Addenda
12. Repair/Replacement Acti				1
13. ASME Section XI Code/	Edition: 1992 Edition an	nd 1992 Addenda		
14. Preservice Inspection Rec	juired:	☐ YES ⊠ NO		,
Initial \mathcal{N}/\mathcal{A} Date	If required	include a sten in the W O	to perform Preservice I	nspection
15. ASME Section XI Pressu		☐ YES ☒ NO	to periorin reservice r	
		, include a step in the W.O.	for ISI & ANII Inspect	ion
Initial <u>W/A</u> Date		<u>-</u>	•	
Initial Date	2-6-06 16. Includ	le a step in the W.O. to com	plete NIS-2 Form prior	to releasing the
Initial J. Date	2-6-06 replacement	le a step in the W.O. to reconnumber to the connumber of	rd below all applicable	numbers for repaired or
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
Blind Flange	NIA	N/A	J.D. \$32	WO 2895705
Januar Aungo	<u>~</u>		D 3485	
			17 3473	
	// ->/	′ ന/		
18. Planner Signature		2-06 Printed Name:	James I. Davis	
N 1 To	7-10) A		5
19. ISI Signature		Printed Name:	R.L. Brawn	Log Entry RUS
orginature	1			
20. ANII xx tyo trong	7-19-0	Frinted Name:	R.G. HOGSTROM	۸
Signature PV216-08NI (8-88)	Market and the transaction of the state of t	Date	Transa destruction and in the second second respective	73DP-9 72 117 Rev 9

1. Owner: Arizona Public Service Company, et. al. Date: 9-22-0 C								
<u>P. O. F</u>	Box 53999, Phoeni	x Arizona 85072-20	<u> 34</u>	1	Sheet: 1	of <u>2</u>	en en en en en en en en en en en en en e	
2. Plant: Palo V	erde Nuclear Gene	erating Station			Unit: <u>1</u>			
<u>5801 S</u>	outh Wintersburg	Road., Tonopah, Ai	rizona 8535	4-7529	Work Orde	er Number	2895711	-
3. Work Performe	3. Work Performed by: Arizona Public Service Type of Code Stamp None							
	Authorization No. N/A							
•					Expiration	Date <u>N/</u>		
4. Identification o	f System: Safety In	jection		•			\$	
5. (a) Applicable	Construction Code A	ASME Section III NB	, Class 1 1	.974 Editio	n, Winter 19	975 Adde	nda, <u>~/</u> > Code	Case
(b) Applicable	Edition of Section X	I Utilized for Repairs	or Replace	ments: <u>199</u>	92 Edition,	1992 Ad	denda	
6. Identification of	f Components Repai	red or Replaced and F	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)
Pipe Spool	Pullman Power	1SI248N001	N/A	1PSIAL2	48	1983	Repaired	NO
Flangé	N/A	N5542-3-6	N/A	1PSIAL2	48	2006	Replaced	NO
Orifice	N/A	Ht# U7052	N/A	1PSIAL2	48	2006	Replaced	NO
Blind Flange	N/A	Ht# D3485	N/A	1PSIAL2	48	1983	Replacement	NO
e se din	M							\ -
	9.8							
			,					
7. Description of V	Work: Restore T-r	nod 2886678 on 1P	SIAL248, c	lownstread	m of 1PSLA	<u>V056</u>		
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt								
N-416-2 Other Pressure $\frac{n \ln n}{n}$ psi Test Temperature $\frac{n \ln n}{n}$ °F								
*** * · · · · · · · · · · · · · · · · ·		1				*	·	
inches, (2) info	ormation in items 1	form of lists, sketche thru 6 on this repo led at the to of this	rt is include	-	_			

	FORM NIS-2 (Back)
9.	Remarks: Work Order 2895711 restored Temporary Modification 2886678 on 1PSIAL248, downstream of 1PSIAV056 by removing the orificed flange and valve assembly, previously installed by Work Order 2895705, and reinstalling the original blind flange.
Pı	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
	Signed: Judoth SR-ISI ENGINEER Date: 9/22/06 Owner or Owner's Designee, Title
	I, the undersigned, holding a valid commission issued by the National Board of boiler and Pressure Vessel Inspectors and the State or Province of Arizona and employed by HSB CT of Hartford, Connecticut, have inspected the components described in this Owner's report during the period of 7-13-06 to 3-22-06, 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
	Inspectors Signature

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

	ASME SECTION	XI – REPAIR / REPL	ACEMENT				
			Page	of			
1. Component ID <u>1PSIBL19</u>	9	•					
2 Item Description: Spool 1	piece Downstream of 1PSI	BV057					
3. N-5 Data Package Number	· .	4. W.O. Number: 2	2895713				
5. Original Construction Cod							
6. Original Installation Code							
7. Work Description: Rein	stall the blind flange remov	·					
8. 🔲 ISI Flaw		NDE Method of Flaw De	tection:	•			
9. Evaluation of the suitabilit	y of this work as ner the re	Report Number:					
	•	-		4			
Restoration of Temporary	Modification, no ASME	code lanuie					
		•					
·			.ት				
10 h m 1		D 11: 0 '		¥₹			
10. Repair/Replacement Wor			74 Edition 1075 Summa	r Addondo			
11. Replacement Items Const12. Repair/Replacement Acti				1			
13. ASME Section XI Code/	<u></u>	nd 1992 Addenda	Samon 1975 Willer Add	<u>.</u>			
14. Preservice Inspection Rec		YES NO					
-	•	_					
Initial <u>W/A</u> Date	If required	l, include a step in the W.O.	to perform Preservice I	nspection			
15. ASME Section XI Pressu	re Test Required:	☐ YES 🛛 NO					
Initial MA Date	If required	I, include a step in the W.O.	for ISI & ANII Inspecti	on.			
Initial J.O Date	16 71	le a step in the W.O. to com	plete NIS-2 Form prior	to releasing the			
Initial J. Date Date	2-6-06 17. Include replaceme	le a step in the W.O. to recont items.	rd below all applicable i	numbers for repaired or			
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.			
Blind Flange	NIA	N/A	1.0 1/4-9-320	WO 2895708			
			03485				
				# # # # # # # # # # # # # # # # # # #			
м							
		,					
		·					
18. Planner Signature	De 7-6.	Printed Name:	James I. Davis				
0,2	7-19-	-06	R.L. BROWN	1/2 - 1172			
19. ISI Signature		Date Printed Name:	V-C- 1717 COCONO IN	Log Entry 141			
\sim 1	01/						
20. ANII Signature	<u> </u>	Printed Name:	K. C. Hecol				
3 ignature		en en en en en en en en en en en en en e	Source and the control of the property of the companies and the	The state of the s			

1. Owner: Arizon	1. Owner: Arizona Public Service Company, et. al. Date: 9-23-64						
<u>P. O. I</u>	30x 53999, Phoeni	x Arizona 85072-20	<u>)34</u>	Sheet:	<u>1</u> of <u>2</u>		
2. Plant: Palo V	verde Nuclear Gene	erating Station		Unit:	<u>1</u>		
5801 S	South Wintersburg	Road., Tonopah, A	rizona 8535	64-7529 Work	Order Numbe	r <u>2895713</u>	
3. Work Performe	ed by: <u>Arizona Public</u>	<u>Service</u>		Type o	of Code Stamp	None None	
			x *	Autho	rization No.	<u>N/A</u>	
	Expiration Date N/A						
4. Identification o	f System: Safety In	jection			·		. *
5. (a) Applicable	Construction Code /	ASME Section III NB	, Class 1 1	974 Edition, Wint	<u>er 1975</u> Adde	nda, sla Cod	e Case
(b) Applicable	Edition of Section X	KI Utilized for Repairs	s or Replace	ments: 1992 Edit	ion, 1992 Ac	ldenda	
6. Identification o	f Components Repai	red or Replaced and I	Replacement	Components			/
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)
Pipe Spool	Pullman Power	1SI199N00J	N/A	1PSIBL199	1983	Repaired	NO
Flange	N/A	N5542-3-5	N/A	1PSIBL199	2006	Replaced	NO
Orifice	N/A	Ht# U7052	N/A	1PSIBL199	2006	Replaced	NO
Blind Flange	N/A	Ht# D3485	N/A	1PSIBL199	1983	Replacement	NO
- Jun							
					** . ** . ** . ** . * . * . * . * . * .		
	·	-					
7. Description of V	Work: Restore T-n	nod 2886678 on 1P	SIBL199, d	ownstream of 1F	SIBV057		÷-
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt							
N-416-2 Other Pressure $\frac{\omega}{\Delta}$ psi Test Temperature $\frac{\omega}{\Delta}$ °F							
inches, (2) info	ormation in items 1	form of lists, sketched thru 6 on this repo	rt is include				

	RM NIS-2 (Back)
Remarks: Work Order 2895713 restored Tempo by removing the orificed flange and valve assembly original blind flange.	bly, previously installed by Work Order 2895708, and reinstalling the
e-Pressured Test WO Review – ISI	1/A
ANII	
Cert	ificate of Compliance
We certify that the statements made in the rep	port 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
1 sura	N/A Expiration Date: N/A Expiration Date: 9/22/06 ee, Title
Signed: Jugotul SR. IS	EI ENGINEER Date: 9/22/06
•	/
CERTIFICATE	OF INSERVICE INSPECTION
CERTIFICATE (OF INSERVICE INSPECTION
I, the undersigned, holding a valid commiss	ion issued by the National Board of boiler and Pressure Vessel
I, the undersigned, holding a valid commiss. Inspectors and the State or Province of Arizo inspected the components described in this C	ion issued by the National Board of boiler and Pressure Vesselona and employed by <u>HSB CT</u> of <u>Hartford, Connecticut</u> , have Owner's report during the period of
I, the undersigned, holding a valid commiss. Inspectors and the State or Province of Arizo inspected the components described in this C to, and state that to	ion issued by the National Board of boiler and Pressure Vesselona and employed by HSB CT of Hartford, Connecticut, have Dwner's report during the period of 7-19-06 the best of my knowledge and belief, the Owner has performed
I, the undersigned, holding a valid commiss. Inspectors and the State or Province of Arizo inspected the components described in this C to, and state that to examinations and taken corrective measure	ion issued by the National Board of boiler and Pressure Vesselona and employed by HSB CT of Hartford, Connecticut, have Dwner's report during the period of 7-19-06 of the best of my knowledge and belief, the Owner has performed the described in this Owner's Report in accordance with the
I, the undersigned, holding a valid commiss. Inspectors and the State or Province of Arizo inspected the components described in this C to 9-22-06, and state that to	ion issued by the National Board of boiler and Pressure Vesselona and employed by HSB CT of Hartford, Connecticut, have Dwner's report during the period of 7-19-06 of the best of my knowledge and belief, the Owner has performed the described in this Owner's Report in accordance with the
I, the undersigned, holding a valid commiss. Inspectors and the State or Province of Arizo inspected the components described in this C to, and state that to examinations and taken corrective measure	ion issued by the National Board of boiler and Pressure Vessel on and employed by HSB CT of Hartford, Connecticut, have Owner's report during the period of 7-19-06 of the best of my knowledge and belief, the Owner has performed es described in this Owner's Report in accordance with the
I, the undersigned, holding a valid commiss. Inspectors and the State or Province of Arizo inspected the components described in this C to, and state that to examinations and taken corrective measure requirements of the ASME Code, Section XI.	ion issued by the National Board of boiler and Pressure Vesselona and employed by HSB CT of Hartford, Connecticut, have Dwner's report during the period of
I, the undersigned, holding a valid commiss. Inspectors and the State or Province of Arizo inspected the components described in this C to, and state that to examinations and taken corrective measure requirements of the ASME Code, Section XI. By signing this certificate, neither the Inspec	ion issued by the National Board of boiler and Pressure Vessel on and employed by HSB CT of Hartford, Connecticut, have Dwner's report during the period of 7-19-06 of the best of my knowledge and belief, the Owner has performed es described in this Owner's Report in accordance with the effort nor his employer makes any warranty, expressed or implied,
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I, the undersigned, holding a valid commiss. Inspectors and the State or Province of Arizo inspected the components described in this C to, and state that to examinations and taken corrective measure requirements of the ASME Code, Section XI. By signing this certificate, neither the Inspecton concerning the examinations and corrective in the Inspector nor his employer shall be liable.	ion issued by the National Board of boiler and Pressure Vessel on and employed by HSB CT of Hartford, Connecticut, have Dwner's report during the period of 7-19-06 the best of my knowledge and belief, the Owner has performed es described in this Owner's Report in accordance with the enter nor his employer makes any warranty, expressed or implied, measures described in this Owner's report. Furthermore, neither in any manner for any personal injury or property damage or a sith this inspection.

	ASME SECTION		Pag	ge of
1. Component ID 1MCHAX	<u>05</u>			
2 Item Description: Greer I	Hydraulics Suction Stabilize	zer		
3. N-5 Data Package Number:	1CH04-3	4. W.O. Number:	2897217	
5. Original Construction Cod				· •.
6. Original Installation Code				
7. Work Description: <u>Disas</u>	sembly of charging pump			ement.
8. 🗌 ISI Flaw N/A	•	NDE Method of Flaw Do Report Number: n/a	etection: n/a	
9. Evaluation of the suitability	v of this work as per the re	•	:	
	•	he valve stem is a code part		der.
10. Repair/Replacement World 11. Replacement Items Const 12. Repair/Replacement Activ 13. ASME Section XI Code/F 14. Preservice Inspection Requiritial Date III. 15. ASME Section XI Pressur Initial Date III. Date III. Initial Date III. Initial Date III. Initial Date III. Initial Date III.	k Organization: Arizona ruction or reconciled Code vity Construction Code/Edition: 1992 Edition a quired: 13-04 If required: 16. Including ISI & 17. Including ISI & 17. Including Isi & 18. Including Isi &	<u> Public Service</u> e/Edition: <u>Sec III Cl 2, 19</u>	277 Edition 1977 Winter Addition 1975 Winter Additi	r Addenda ddenda Inspection etion. en completed by
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
Item ID Suction Stabilizer	Part No.	Serial No.	Heat No.	N/A
Suction Stabilizer		6117	N/A	
Suction Stabilizer Valve Stem	N/A			N/A
Suction Stabilizer	N/A	6117	N/A	N/A
Suction Stabilizer Valve Stem	N/A	6117	N/A	N/A
Suction Stabilizer Valve Stem	N/A	6117	N/A	N/A
Suction Stabilizer Valve Stem	N/A	6117	N/A	N/A
Suction Stabilizer Valve Stem	N/A APN 45004042	6117 1208A-20	N/A 56110	N/A 1170819 MR 1160517
Suction Stabilizer Valve Stem 18. Planner Dandell	N/A APN 45004042 Novalt 11-3	6117 1208A-20 3-06 Printed Name:	N/A	N/A 1170819 MR 1160517
Suction Stabilizer Valve Stem	N/A APN 45004042 Novalt 11-3	6117 1208A-20	N/A 56110	N/A 1170819 MR 1160517
Suction Stabilizer Valve Stem 18. Planner Dandell	N/A APN 45004042 Novalt 11-3	6117 1208A-20 3-06 Printed Name:	N/A 56110 DAUID M. C	N/A 1170819 MR 1160517
Suction Stabilizer Valve Stem 18. Planner Danfold Signature	N/A APN 45004042 Novalt 11-3	6117 1208A-20 3-06 Date Printed Name: Date Printed Name:	N/A 56110 DAUID M. C	N/A 1170819 MR 1160517 ZODDLET Log Entry DB 14

PV216-08NI (8-88)

73DP-9ZZ17 Rev 9

1. Owner: <u>Arizo</u>	na Public Service (Company, et. al.	•		Date: <u>12/</u>	13/2006			
P. O. Box 53999, Phoenix Arizona 85072-2034 Sheet: <u>1</u> of <u>2</u>									
2. Plant: Palo Verde Nuclear Generating Station						Unit: <u>1</u>			
5801 South Wintersburg Road., Tonopah, Arizona 85354-7529						Work Order Number 2897217			
3. Work Performe	d by: <u>Arizona Publi</u>	c Service			Type of Co	ode Stamp	None		
					Authorizat	ion No.	<u>N/A</u>		
4. Identification o5. (a) Applicable	Construction Code 1	mical & Volumn Con ASME Section III NC	, Class 2	<u>1977</u> Editio	n, <u>Winter 1</u>	<u>977</u> Addei		e Case	
	- '	Utilized for Repair				1992 Ad	denda		
6. Identification of	f Components Repai	red or Replaced and I	Replacement	Componer	nts			1.	
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	1	her fication	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)	
Suction Stabilizer	Greer Hydraulics	6117	N/A	1МСНАХ	X 05	1980	Repaired	YES	
Valve Stem	Westinghouse	1208A-20	N/A	1МСНАХ	K05	2003	Replacement	NO	
			er e i w		rest - gres				
35.2				·			·		
			,						
7. Description of V	Work: <u>Disassembl</u>	e the suction stabili	zer for 5 ye	ar annual	bladder re	placemen	<u>t.</u>		
8. Test Conducted	: Hydrostatic	Pneumatic [Nom	inal Operat	ing Pressur	e 🔲 🗆	Exempt 🛚		
N-4	416-2 Other	Pressure ps	i		Test Ten	nperature	°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)
9.	Remarks: WO# 2897217 for suction stabilizer 1MCHAX05. The 5 year annual bladder replacement includes the stem as a code pressure retaining part.
Pr	e-Pressured Test WO Review – ISI
	ANII
	Certificate of Compliance
	We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.
	Type Code Symbol Stamp N/A
	Certificate of Authorization No. N/A Expiration Date: N/A
	Signed: Phase ISI Engineer Date: 12-13-2006
	CERTIFICATE OF INSERVICE INSPECTION
	I, the undersigned, holding a valid commission issued by the National Board of boiler and Pressure Vessel Inspectors and the State or Province of Arizona and employed by HSB CT of Hartford, Connecticut, have inspected the components described in this Owner's report during the period of
	By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions: NB 9685 "N" "I" AZ264
	Inspectors Signature Date: 12-19-06

PV216-08NI (8-88)

		ASME SECTION A	i – Repair / Refl	1	age of t
gard Top	1. Component ID 1MDGAE				
C.	2 Item Description: <u>DG Int</u>3. N-5 Data Package Number5. Original Construction Cod	: <u>1DG01-2</u>	4. W.O. Number: 2	2 <u>899057</u>	
	6. Original Installation Code	Edition: 1974 Edition, W			
	7. Work Description: <u>Faste</u>8. ☐ ISI Flaw	ener replacement	NDE Method of Flaw De	tection:	
			Report Number:		
	9. Evaluation of the suitability	ty of this work as per the recasteners on a as needed basis		the stude Easteners	ura not haina rankaaad
		is part of or			
	10. Repair/Replacement World Replacement Items Cons 12. Repair/Replacement Acti	truction or reconciled Code/	Edition: Sec. III Cl 3, 19		
	13. ASME Section XI Code/	•	d 1992 Addenda		
	14. Preservice Inspection Red		☐ YES ⊠ NO		
	Initial Date 15. ASME Section XI Pressu	•	include a step in the W.O. YES NO	to perform Preservic	e Inspection
	,	•	☐ YES ☑ NO include a step in the W.O.	for ISI & ANII Inspe	ection.
	Initial MM Date Grantial Date Gran	7-02-07 16. Include ISI & A	e a step in the W.O. to verit ANII prior to approving IN	fy NIS-2 Form has be	
	Initial MM Date 6	(-(2-0) 17. Include replace	e a step in the W.O. to recomment items.	rd below all applicab	le numbers for
	Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
	1MDGAE01A&B	APN 43110010	8B1602	230113	MR 1235277
				<u> </u>	
				<u> </u>	
			,		
	18. Planner Malla Signature	M 6-12	2-07 Printed Name:	Markin J.	Sollwan
	19. ISI Production Signature	$ \oint \frac{\epsilon - 12}{\epsilon} $	Printed Name:	K.P. INDA	Log Entry De
	20. ANII ZA Apoterre Signature		Printed Name:	R.C. HOCKSTR	.છેમ્

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

* PRODUCTION AND ADDRESS OF THE PARTY OF THE	STATEMENT OF THE PARTY OF THE STATEMENT OF THE PARTY.	THE REPORT OF THE PARTY OF THE	MATERIAL PROPERTY AND PERSONS ASSESSED.	THE PERSON NAMED IN THE PE	CORRESPONDED TO THE PARTY OF TH	CANADA SERVICIONA DE LA COMPANSIONE DEL COMPANSIONE DE LA COMPANSIONE DE LA COMPANSIONE DE LA COMPANSIONE DE LA COMPANSIONE DE LA COMPANSIONE DE LA COMPANSIONE DE LA COMPANSIONE DE LA COMPANSIONE DE LA COMPANSIONE DE LA COMPANSIONE DE LA COMPANSIONE DE LA COMPANSIONE DE LA COMPANSIONE DE LA COMPANSIONE DE LA COMPANSIONE DE LA COMPANSIONE DE LA COMPANSIONE DE LA COMPANSIONE DE LA COMPANSI	AND DESCRIPTION OF THE PARTY OF THE PARTY.	DI PERMITE DI PERMITE DE LA CONTRACTOR D
1. Owner: <u>Arizo</u> i	na Public Service (Company, et. al.			Date: <u>06</u> /	/12/2007		
<u>P. O. F</u>	Box 53999, Phoeni	x Arizona 85072-20	<u>)34</u>		Sheet:	<u>1</u> of <u>2</u>		
2. Plant: <u>Palo V</u>	erde Nuclear Gene	erating Station			Unit: <u>1</u>			_
<u>5801 S</u>	South Wintersburg	Road., Tonopah, A.	rizona 8535	<u>54-7529</u>	Work Ord	er Numbei	2899057	
3. Work Performe	d by: <u>Arizona Public</u>	<u>Service</u>			Type of C	ode Stamp	None	
					Authoriza	tion No.	<u>N/A</u>	
					Expiration	Date N/	<u>A</u>	
4. Identification o	f System: <u>1MDGA</u>	E01A&B						
5. (a) Applicable	Construction Code A	ASME Section III ND	O, Class 3	1 <u>974</u> Editic	on, <u>Summer</u>	1976 Add	enda, Co	de Case
(b) Applicable	Edition of Section X	I Utilized for Repair	s or Replace	ments: <u>19</u>	92 Edition	, 1992 Ac	ldenda	
6. Identification of	f Components Repai	red or Replaced and I	Replacement	Compone	nts			1
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.		ther fication	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)
E.D.G. intercoolers	Cooper Energy	8B1602	N/A	1MDGA	E01A&B	1978	Repaired	YES
Cover studs	N/A	N/A	N/A	N/A		2006	Replacement	NO
/			·					
A de la companya de l								
7. Description of V	Work: Replaceme	nt of cover fasteners	s due to mir	nor corros	ion. Not re	placed du	ue to failure. 28	399057
8. Test Conducted	: Hydrostatic	Pneumatic [Nom	inal Operat	ing Pressur	e 🗌	Exempt 🛚	
N-4	416-2 Other	Pressure ps	i		Test Ten	nperature	°F	
								4
inches, (2) info	ormation in items 1	form of lists, sketch thru 6 on this repo ded at the to of this	ort is include					

			F	ORM NI	S-2 (Bac	k)		,
J.	Remarks:	Replacement of co	ver fasteners d	lue to minor corre	sion. Not replac	ed due to failure.W.(D. #2899057	miningsia tapabahan kecas
		Replaced 1 st	on impic	AEOLA	•	1		
		Replaced 6 Se	uds on 1M	Erosawan	•		•	
Pr	e-Pressured	Test WO Review	- ISI					
	•		ANII		*	•		
Printed to the second			C	ertificate of	'Complian	ce	a palamatan marana marana ay anaka marana ay anaka marana ay anaka marana ay anaka marana ay anaka marana ay a	
	We certify Code, Sect		ts made in th	e report are con	rect and this re	pair conforms to th	e rules of the ASN	Æ
	Type Code	Symbol Stamp		N/A				
	Certificate	of Authorization	No	N/A	Ex	piration Date:	N/A	
	Signed:	Indy The	ell-	151	ENGMEEA	Date: 6-0	3-07	/
1	<u> </u>	Ow	ner or Owner's D	Designee, Title				/

I, the undersigned, holding a valid commission issued by the National Board of boiler and Inspectors and the State or Province of <u>Arizona</u> and employed by <u>HSB CT</u> of <u>Hartford</u> , Conspected the components described in this Owner's report during the period of to <u>L-12-01</u> , and state that to the best of my knowledge and belief, the Owner's report during the period of the Owner's report during the Owner's r	er has performed
examinations and taken corrective measures described in this Owner's Report in according requirements of the ASME Code, Section XI.	rdance with the
By signing this certificate, neither the Inspector nor his employer makes any warranty, expre	~ (
concerning the examinations and corrective measures described in this Owner's report. Furt the Inspector nor his employer shall be liable in any manner for any personal injury or proper	
loss of any kind arising from or connected with this inspection.	,
Commissions: NB 9685 "N" "I" A National Board, State, Providence	
6-19-07	

		ASME SECTION		DITCDIVIDIVE	
				Page	eof
	1. Component ID <u>1PSPALC</u>	067			
	2 Item Description: 18" "A				
	3. N-5 Data Package Number		4. W.O. Number	: <u>2899455</u>	
ı	5. Original Construction Co.				•
	6. Original Installation Code				
ı	 Work Description: <u>Rep.</u> ISI Flaw 	lace the carbon steel faster	ners (studs & nuts) with sta NDE Method of Flaw I		-
	6. [_] 151 Flaw		Report Number: N/A		
	9. Evaluation of the suitabili	ty of this work as per the	•		
				ie to the appearance of rust	L
	shis is a p	reventive	mes or D) al	ement with	, a
	material ?	ro stant to	benatalc	ement with	200
			general	PR.	17/06
ı			•	, was a	, , ,
1	 Repair/Replacement Wo Replacement Items Cons 	=		1074 Edition 1075 Summe	er Addenda
į	12. Repair/Replacement Act				···
	13. ASME Section XI Code/		and 1992 Addenda	+ Danion 1979 William	
	14. Preservice Inspection Re		☐ YES ⊠ NO	0	,
	11. Treservice inspection re	quirea.		O	
	^ 4			,	/
	Initial Date 1	2-5-06 If require	ed, include a step in the W.	O. to perform Preservice In	nspection '
	Initial Date 1. 15. ASME Section XI Pressu	_	ed, include a step in the W.	-	nspection '
	15. ASME Section XI Pressu	ure Test Required:	☐ YES 🖾 N	-	
	15. ASME Section XI Pressu Initial Pressure Date 15	ure Test Required: 7-5-06 If require	YES No. include a step in the W.	IO O. for ISI & ANII Inspecti	on.
	15. ASME Section XI Pressi Initial Park Date 12 Initial Date 12	ure Test Required: 7-5-06 If required 16. Inclu	YES No. include a step in the W.	O. for ISI & ANII Inspecti orify NIS-2 Form has been	on.
	15. ASME Section XI Pressi Initial Park Date 12 Initial Date 12	ure Test Required: 7-5-06 If required 16. Inclu	YES No. N. N. N. N. N. N. N. N. N. N. N. N. N.	O. for ISI & ANII Inspecti orify NIS-2 Form has been	on. completed by
	15. ASME Section XI Pressu Initial Pressure Date 15	16. Included: 17-5-06 17-5-06 181 8	YES No. N. N. N. N. N. N. N. N. N. N. N. N. N.	O. for ISI & ANII Inspecti crify NIS-2 Form has been INP525 Status.	on. completed by
	Initial Prof. Date 15 Initial Prof. Date 15 Initial Prof. Date 15 Initial Prof. Date 15 Item ID	16. Included: 17-5-06 17-5-06 181 8	YES No. N. N. N. N. N. N. N. N. N. N. N. N. N.	O. for ISI & ANII Inspecti crify NIS-2 Form has been INP525 Status. cord below all applicable r	on. completed by numbers for MR/PO/WO No
	Initial Party Date 15 Initial Party Date 15 Initial Date 15	16. Included: 2-5-06 17. Included: 17. Included: 18. Included: 18. Included: 19. Included:	YES No. N. N. N. N. N. N. N. N. N. N. N. N. N.	O. for ISI & ANII Inspecti crify NIS-2 Form has been INP525 Status. cord below all applicable r	on. completed by numbers for
	Initial Park Date 15 Initial Park Date 15 Initial Park Date 15 Initial Park Date 16 Item ID Apprex	ure Test Required: 7-5-06 If require 16. Inclu ISI 8 3-5-06 17. Inclu repla Part No.	YES No. No. No. No. No. No. No. No.	O. for ISI & ANII Inspecti erify NIS-2 Form has been INP525 Status. cord below all applicable r Heat No.	on. completed by numbers for MR/PO/WO No 1234601 \$ MR 1170630
	Initial Prof. Date 15 Initial Prof. Date 15 Initial Prof. Date 15 Initial Prof. Date 15 Item ID Approx. Studs 1-1/8"-8 x 6.5"lg	Part No. APN 43140308	YES No. N. N. N. N. N. N. N. N. N. N. N. N. N. N	O. for ISI & ANII Inspection of the ISI of t	on. completed by numbers for MR/PO/WO No
物が必要	Initial Prof. Date 15 Initial Prof. Date 15 Initial Prof. Date 15 Initial Prof. Date 15 Item ID Approx. Studs 1-1/8"-8 x 6.5"lg	Part No. APN 43140308	YES No. N. N. N. N. N. N. N. N. N. N. N. N. N. N	O. for ISI & ANII Inspecti erify NIS-2 Form has been INP525 Status. cord below all applicable r Heat No.	on. completed by numbers for MR/PO/WO No
	Initial Prof. Date 15 Initial Prof. Date 15 Initial Prof. Date 15 Initial Prof. Date 15 Item ID Approx. Studs 1-1/8"-8 x 6.5"lg	Part No. APN 43140308	YES No. N. N. N. N. N. N. N. N. N. N. N. N. N. N	O. for ISI & ANII Inspecti erify NIS-2 Form has been INP525 Status. cord below all applicable r Heat No.	on. completed by numbers for MR/PO/WO No
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	Initial Prof. Date 15 Initial Prof. Date 15 Initial Prof. Date 15 Initial Prof. Date 15 Item ID Approx. Studs 1-1/8"-8 x 6.5"lg	Part No. APN 43140308	YES No. N. N. N. N. N. N. N. N. N. N. N. N. N. N	O. for ISI & ANII Inspecti erify NIS-2 Form has been INP525 Status. cord below all applicable r Heat No.	on. completed by numbers for MR/PO/WO No 1234601 \$ MR 1170630
	Initial Prof. Date 15 Initial Prof. Date 15 Initial Prof. Date 15 Initial Prof. Date 15 Item ID Approx. Studs 1-1/8"-8 x 6.5"lg	Part No. APN 43140308	YES No. N. N. N. N. N. N. N. N. N. N. N. N. N. N	O. for ISI & ANII Inspecti erify NIS-2 Form has been INP525 Status. cord below all applicable r Heat No.	on. completed by numbers for MR/PO/WO No 1234601 \$ MR 1170630
	Initial Park Date 15 Initial Park Date 15 Initial Park Date 15 Initial Park Date 15 Item ID Apprex Studs 1-1/8"-8 x 6.5" Ig Nuts	Part No. APN 43140308 APN 43120595	YES No. No. No. No. No. No. No. No.	O. for ISI & ANII Inspecti erify NIS-2 Form has been INP525 Status. cord below all applicable resident Heat No. MYM & D 6 K280	on. completed by numbers for MR/PO/WO No MR 1170630 MR 1170630
	Initial Park Date Initial Park	Part No. APN 43140308 APN 43120595	YES No. No. No. No. No. No. No. No. No. No. No.	O. for ISI & ANII Inspecti erify NIS-2 Form has been INP525 Status. cord below all applicable r Heat No.	on. completed by numbers for MR/PO/WO No MR 1170630 MR 1170630
	Initial Park Date 15 Initial Park Date 15 Initial Park Date 15 Initial Park Date 15 Item ID Apprex Studs 1-1/8"-8 x 6.5" Ig Nuts	Part No. APN 43140308 APN 43120595	YES No. Indeed, include a step in the W.O. to vertex ANII prior to approving I adde a step in the W.O. to recement items. Serial No. N/A N/A Printed Name Date	O. for ISI & ANII Inspective of the ISI & ANII & AN	on. completed by numbers for MR/PO/WO No /23/66/ F MR 1170630 MR 1170630
	Initial Party Date 15 Initial Party Date 15 Initial Party Date 15 Initial Party Date 15 Item ID Studs 1-1/8"-8 x 6.5" lg Nuts 18. Planner Signature 19. ISI	Part No. APN 43140308 APN 43120595	YES No. Indeed, include a step in the W.O. to vertex ANII prior to approving I adde a step in the W.O. to recement items. Serial No. N/A N/A Printed Name Date	O. for ISI & ANII Inspecti erify NIS-2 Form has been INP525 Status. cord below all applicable resident Heat No. MYM & D 6 K280	on. completed by numbers for MR/PO/WO No /23/66/ F MR 1170630 MR 1170630
	Initial Park Date Initial Park	Part No. APN 43140308 APN 43120595	YES No. Indee a step in the W.O. to very the ANII prior to approving I ade a step in the W.O. to react terms. Serial No. N/A N/A N/A Printed Name Printed Name Date Printed Name	O. for ISI & ANII Inspectively NIS-2 Form has been INP525 Status. Cord below all applicable representation of the Input No. MYM & D.6 K280 E. Daylib M. G.	on. completed by numbers for MR/PO/WO No MR 1170630 MR 1170630 Log Entry Log Entry
	Initial Party Date 15 Initial Party Date 15 Initial Party Date 15 Initial Party Date 15 Item ID Studs 1-1/8"-8 x 6.5" lg Nuts 18. Planner Signature 19. ISI	Part No. APN 43140308 APN 43120595	YES No. Indee a step in the W.O. to very the ANII prior to approving I ade a step in the W.O. to react terms. Serial No. N/A N/A N/A Printed Name Printed Name Date Printed Name	O. for ISI & ANII Inspective of the ISI & ANII & AN	on. completed by numbers for MR/PO/WO No MR 1170630 MR 1170630 Log Entry Log Entry

1. Owner: Arizo	na Public Service (Company, et. al.			Date: <u>6/1</u>	2/2007		
<u>P. O. I</u>	Box 53999, Phoeni	x Arizona 85072-20	034		Sheet:	<u>1</u> of <u>2</u>	•	
2. Plant: <u>Palo V</u>	verde Nuclear Gen	erating Station			Unit: <u>1</u>			-
<u>5801 S</u>	South Wintersburg	Road., Tonopah, A	rizona 8535	4-7529	Work Ord	er Number	r 2899455	
3. Work Performe	d by: Arizona Public	c Service			Type of Co	ode Stamp	None None	
					Authorizat	tion No.	N/A	
,					Expiration	Date N/	<u>A</u>	
4. Identification o	f System: SP: Spra	y Pond System						
5. (a) Applicable	Construction Code 2	ASME Section III ND), Class 3	974 Editio	on, <u>Summer</u>	<u>1975</u> Add	enda, Co	de Case
(b) Applicable	Edition of Section 2	XI Utilized for Repair	s or Replace	ments: <u>199</u>	92 Edition.	1992 Ac	ldenda	
6. Identification of	f Components Repai	ired or Replaced and I	Replacement	Componer	nts			1
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)
Studs - 10	Cardinal	N/A	N/A	1PSPAL(067	1991	Replacement	NO
Nuts	Nova	N/A	N/A	1PSPAL()67	2004	Replacement	NO
Studs - 22	Dubose Steel	N/A	N/A	1PSPAL0)67	1991	Replacement	NO
		·						
Š.			,					١
				-				
			,					
7. Description of V	Vork: Replace the	carbon steel fasten	ers with the	stainless	equivalent	, minor n	usting.	· - · · · ·
8. Test Conducted:	Hydrostatic	Pneumatic [] Nomi	nal Operati	ing Pressure		Exempt 🛛	
N-4	16-2 Other	Pressure psi	•	· .	Test Tem	perature	°F	
							·	er P
		form of lists, sketched thru 6 on this report						

FO	RM	N	IIS	-2	(B	acl	()		
12000	100	_		ASSESSED TO	754 14	W 10 4 7 1 1 100	100	Mary Mary	27 - 476

9.	Remarks: WO# 2899455 on line 1PSPAL067. Will replace the 1-1/8"-8 x approx. 6.5" long studs and nuts. The existing fasteners are carbon and have minor rusting. Will install the stainless equivalent (SA564 Gr. 630 H1100) on two 18" flanges joints.
Pr	e-Pressured Test WO Review – ISI
	ANII
	Certificate of Compliance
	We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp N/A
	Certificate of Authorization No. N/A Expiration Date: N/A
	Signed: Thorage ISI Enomber Date: 6/14/07
	CERTIFICATE OF INSERVICE INSPECTION
	I, the undersigned, holding a valid commission issued by the National Board of boiler and Pressure Vessel Inspectors and the State or Province of Arizona and employed by HSB CT of Hartford, Connecticut, have inspected the components described in this Owner's report during the period of
	By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions: NB 9685 "N" "I" AZ264
	Inspectors Signature National Board, State, Province, and Endorsements Date: 6-(5-07)

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	ASME SECTION	XI - REPAIR / REPI	LACEMENT	
			Pag	eof\
1. Component ID <u>1PSPB</u>	L025			
2 Item Description: DIS	CHARGE FLOW INDICAT	OR S.P.		
3. N-5 Data Package Num		4. W.O. Number:	2899597	
	Code Edition: 1974 Edition.			· · · · · · · · · · · · · · · · · · ·
_	ode Edition: 1974 Edition, V			
	o remove the annubar for engemoved and replaced due to co			fasteners will be
8. 🔲 ISI Flaw		NDE Method of Flaw De	etection:	
		Report Number:		
9. Evaluation of the suital	pility of this work as per the re	equirements of IWA - 4150	:	
This annubar is being	removed for an engineering i	nspection. Fastener replace	ment is periodic mainter	sance to mitigate
minor corrosion.				
				2 8*
10. Repair/Replacement V	Vork Organization: Arizona	Public Service	•	•
	Instruction or reconciled Cod		974 Edition 1975 Summa	er Addenda
_	Activity Construction Code/Ed			
13. ASME Section XI Co		nd 1992 Addenda		and and a second
14. Preservice Inspection		☐ YES 🖾 NO		
Initial MA Date	15 (d, include a step in the W.O	to perform Preservice	nanchan
15. ASME Section XI Pre		☐ YES ☐ NO		Contract to the Contract of th
_	•			
Initial NA Date	4-1-06 If required	d, include a step in the W.O		
Initial M/L Date	6-2-06 16. Inclu-	de a step in the W.O. to connt.	aplete NIS-2 Form prior	to releasing the
Initial MM Date Initial MM Date	6-2-06 17. Inclure replacement	de a step in the W.O. to reco	ord below all applicable.	numbers for repaired or
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
STUDS	APN 43110014	N/A	TTO105. BT	0/05762
NUTS 13	APN 43122013	N/A	LUH / DIG	01105762
1,015	1217 13122013	1,7,1	1 / "	
		<u> </u>		
		, , , , , , , , , , , , , , , , , , ,		
18. Planner Mall	hole 6-2	-06 Printed Name:	Martin J Sullivan	
19. ISI Prod Signature	land 6/2/e	Date Printed Name:	R.P. INDA	P Log Entry RPR
20. ANII The Signature	2 6-2-	OG Printed Name:	R.G. Houston	

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As Required by the Provisions of the ASME Code Section XI

								22.07~18.04.04.00 m
1. Owner <u>Arizona</u>	Public Service Co	ompany, et. al.		-	Date		06/21/06	
	x 53999, Phoenix,							
2. Plant Palo Ve	rde Nuclear Gener				Unit		1	1
	Wintersburg Rd.,	Name					2899597 Work Order Number	·
3. Work Performed b	oy Arizona Public	Service Name				ode Syr	mbol Stamp	
					Authoriz	ation N	No. No.	/.\
_5801 S.	Wintersburg Rd.,		85354		Expiration	on Date	9 3977	A
4. Identification of Sy	G D	Address nd						
4. Identification of Gy	stem	TG .					_	
5. (a) Applicable Co	nstruction Code ASN	ME Section III	19 <u>74</u>	Edition,	<u>W 75</u>	_ Adde	enda, <u>NA</u>	Gode Case
(b) Applicable Ed	ition of Section XI Utili:	zed for Repairs or	r Replacemer	nts 19	92 Edit	tion, _	92 Adder	ida /
	•							/
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 ification	Year Built	or	ASME Code Stamped (Yes or No)
Spray Pond	NA	NA	. NA	1PSF	PBL025	NA	Replacement	No
,								
				-				
/			-					
	1	· .	1 .	Į.		1	1	•
-4		+		 		-		· · · · · · · · · · · · · · · · · · ·
. 3								
	. See remarks on	cheat 2						
	k See remarks on	sheet 2.						
			Nominal Ope	erating I	Pressure →		Exempt [2]	:116-2
7. Description of Wor						_	Exempt 🗾	-
7. Description of Wor	Hydrostatic 🗍 F	Pneumatic 🗍				_		-
7. Description of Wor8. Test Conducted:	Hydrostatic 🗍 F	Pressure f lists, sketches,	psi or drawings	s may t	oe used,	Test Te	emp. ded (1) size is 8	= 1/2 x 11 in.,

PV-E0092 Ver. 7

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FORM NIS-2 (Back)

nemarks	The work included annubar.	replacing the fla	ange studs and nuts o	on 1PSPBL025 to the	LISPBFF0008
Pre-Pressure	Test Review: ISI NA	ANII NA		·	
1		CERTIFIC	ATE OF COMPL	LIANCE	
	y that the statements		port are correct and	this replacement c	onforms to the rule
Type Co	de Symbol Stamp	N/.	A		
Certificat	e of Authorization No	o. <u>N/</u>	Α	Expiration Date	N/A
Signed_	DB16-	ENG	R. Title	Date	6-21-06
	•		•		
	CE	RTIFICATE (OF INSERVICE I	NSPECTION	•
	ersigned, holding a	valid commission	n issued by the Nati	onal Board of Boiler a	nd Pressure Vesse
Inspector of <u>Har</u>	ersigned, holding a value or Particut	valid commission rovince ofA	n issued by the Nations and employed the components	onal Board of Boiler are ed by <u>HSB CT</u> s described in this Own	ner's Report during
Inspector of <u>Har</u>	ersigned, holding a v s and the State or P tford, Connecticut d	valid commission rovince ofA, have inspect tocz	n issued by the Nation and employed the components and st	onal Board of Boiler and by HSB CT states of the state of the best of the best of	ner's Report during my knowledge and
Inspector of <u>Har</u> the period belief, the	ersigned, holding a value of Partford, Connecticut de Connection of Connection de Conn	valid commission rovince of \(\begin{align*} \lambda & \begin{align*} \lambda & \lambda	n issued by the National and employed the components and standard and taken correctives.	onal Board of Boiler are ed by <u>HSB CT</u> s described in this Own ate that to the best of we measures describe	ner's Report during my knowledge and
Inspector of <u>Har</u> the period belief, the	ersigned, holding a v s and the State or P tford, Connecticut d	valid commission rovince of \(\begin{align*} \lambda & \begin{align*} \lambda & \lambda	n issued by the National and employed the components and standard and taken correctives.	onal Board of Boiler are ed by <u>HSB CT</u> s described in this Own ate that to the best of we measures describe	ner's Report during my knowledge and
Inspector of <u>Har</u> the period belief, the Report in	ersigned, holding a visual state or Postford, Connecticut services Owner has perform accordance with the	valid commission rovince ofA	n issued by the National and employed the components and staken correction of the ASME Code, S	onal Board of Boiler are ed by HSB CT seed by HSB CT seed in this Own that the best of the measures describe Section XI.	ner's Report during my knowledge and d in this Owner's
Inspector of <u>Har</u> the period belief, the Report in	ersigned, holding a set of the State or Postford, Connecticut de Section of the Connecticut de Country of this certificate, neither set of the certificate, neither set of the certificate, neither set of the certificate, neither set of the certificate, neither set of the certificate, neither set of the certificate, neither set of the certificate, neither set of the certificate of the certifi	valid commission rovince of A A A A A A A A A A A A A A A A A A	n issued by the Nation and employed the components and staken correction of the ASME Code, Sometimes and taken code, Somet	onal Board of Boiler at ed by HSB CT s described in this Ownate that to the best of we measures describe Section XI.	ner's Report during my knowledge and d in this Owner's expressed on amplie
Inspector of Har the period belief, the Report in By signin concernir	ersigned, holding a variation of the State or Portford, Connecticuted 6 6 7 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	valid commission rovince ofA, have inspected to and examinations requirements contact the Inspected and corrective managements of the second corrective managements of the second corrective managements of the second corrective managements of the second corrective managements of the second corrective managements of the second corrective managements of the second corrective managements of the second corrective management of the second correct	and employed and employed the components and staken corrections the ASME Code, Some nor his employer measures described	onal Board of Boiler are ed by HSB CT seed by HSB CT seed in this Own that the best of the measures describe Section XI.	ner's Report during my knowledge and d in this Owner's expressed on amplie t. Furthermore,
Inspector of Har the period belief, the Report in By signin concernir neither the	ersigned, holding a variation of the State or Portford, Connecticuted 6 6 7 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	valid commission rovince ofA	and employed and employed ted the components and taken correction the ASME Code, Some or nor his employer reasures described to liable in any mann	onal Board of Boiler and by HSB CT so described in this Owner that to the best of the measures describe Section XI. makes any warranty, even the owner in this Owner's Reporter for any personal injection in the control of the contr	ner's Report during my knowledge and d in this Owner's expressed on amplie t. Furthermore,
Inspector of Har the period belief, the Report in By signin concernir neither the	ersigned, holding a visual the State or Portford, Connecticut disconnecticut disc	valid commission rovince ofA	and employed and employed ted the components and taken correction the ASME Code, Some or nor his employer reasures described to liable in any mann	onal Board of Boiler and by HSB CT so described in this Owner that to the best of the measures describe Section XI. makes any warranty, even the owner in this Owner's Reporter for any personal injection in the control of the contr	ner's Report during my knowledge and d in this Owner's expressed on amplie t. Furthermore,
Inspector of Han the period belief, the Report in Concernir neither the damage of	ersigned, holding a sand the State or Patford, Connecticut de 2-06 Owner has perform accordance with the gaths certificate, neiting the examinations e Inspector nor his ear a loss of any kind	valid commission rovince of A A A A A A A A A A A A A A A A A A	and employed and employed ted the components and taken corrections the ASME Code, So and taken corrections are nor his employer measures described the liable in any manniconnected with this in	onal Board of Boiler and by HSB CT is described in this Owner that to the best of we measures describe Section XI. makes any warranty, even in this Owner's Reporter for any personal injurspection.	ner's Report during my knowledge and d in this Owner's expressed on amplie t. Furthermore, ury or property
Inspector of Han the period belief, the Report in Concernir neither the damage of	ersigned, holding a visual the State or Portford, Connecticut disconnecticut disc	valid commission rovince of A A A A A A A A A A A A A A A A A A	and employed and employed ted the components and taken corrections the ASME Code, So and taken corrections are nor his employer measures described the liable in any manniconnected with this in	onal Board of Boiler and by HSB CT so described in this Owner that to the best of the measures describe Section XI. makes any warranty, even the owner in this Owner's Reporter for any personal injection in the control of the contr	ner's Report during my knowledge and d in this Owner's expressed on amplie t. Furthermore, ury or property

73DP-9ZZ17

	ASME SECTION	XI - REPAIR / REP	LACEMENT	
			Pa	geof
1. Component ID <u>1SG036H</u>	<u>011</u>	•		
2 Item Description: Steam				
3. N-5 Data Package Number		4. W.O. Number:	<u>2901355</u>	
5. Original Construction Cod				***
6. Original Installation Code			the correct threads	
 Work Description: weld ISI Flaw 	replace the nut on the load	NDE Method of Flaw D		-
0. [101 1 1a w		Report Number: n/a	ottotion. izu	•
9. Evaluation of the suitabilit	y of this work as per the re	•) :	
•	undary failure. Rod couple	•		ng reworked to
correct.		,		
10. 'Repair/Replacement Wor	k Organization: Arizona	Public Service		
11. Replacement Items Const			2, 1974 Edition Winter	1975 Addenda
12. Repair/Replacement Acti	vity Construction Code/Ed	lition: Sec. III NF Cl 2, 1	974 Edition Winter 197	<u> 5 Addenda</u>
13. ASME Section XI Code/	Edition: 1992 Edition a	nd 1992 Addenda		
14. Preservice Inspection Red	quired:	☐ YES ☐ NC)	,
Initial DMS Date 6	"9-64 If required	d, include a step in the W.C), to perform Preservice	Inspection.
15. ASME Section XI Pressu	_	☐ YES 🖾 NO		· · · · · · · · · · · · · · · · · · ·
	76 ·	d, include a step in the W.C		ction
Initial Day Date	7 2 2	-		
Initial Days Date	2-9-96 16. Include component	de a step in the W.O. to con	mplete NIS-2 Form prio	or to releasing the
:	•		ond halass all annliaghle	a numbers for consider an
Initial My Date	replaceme	de a step in the W.O. to recent items.	ord below all applicable	s numbers for repaired of
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
1SG036H011	APN 00096419	N/A	B-495	MR //09368
	11111 00000 1110			
				201 201
			-	
		· , ,		
18. Planner Quan	Soullet 6	-90L Printed Name	: David Goodlet	
Signature		Date / Day 6.	9 06	
19. ISI R. INDAP PI	ER TRLACON 6	7 -		Nage Entry
Signature	2	Date Oris 64		
20. ANII 18. 4065 THE	An PRO TIBLE	7		STEXM
Signature		Date 2 940 nted Name	. TOUSER! TIOL	,

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1. Owner: Arizon	na Public Service (Company, et. al.			Date: <u>6/1</u>	3/2006		
<u>P. O. E</u>	Box 53999, Phoeni	x Arizona 85072-20)34	. 1	Sheet:	<u>l</u> of <u>2</u>	· <u>-</u>	
2. Plant: <u>Palo V</u>	erde Nuclear Gene	erating Station			Unit: <u>1</u>			
5801 South Wintersburg Road., Tonopah, Arizona 85354-7529 Work Order Number 2901355								
3. Work Performe	d by: <u>Arizona Public</u>	Service			Type of Co	ode Stamp	None	
· · .			•		Authorizat	ion No.	<u>N/A</u>	
			•		Expiration	Date N/	<u>A</u>	
4. Identification of	f System: <u>SG - Mai</u>	n Steam						
5. (a) Applicable	Construction Code A	ASME Section III NF.	Class 2	974 Edition	ı, Winter 1	975 Adde	nda, کام Code	e Case
(b) Applicable	Edition of Section >	I Utilized for Repairs	s or Replace	ments: <u>199</u>	2 Edition,	1992 A d	<u>ldenda</u>	
6. Identification of	f Components Repai	red or Replaced and I	Replacement	Component	ts	*		7
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Oth Identifi		Year Built	Repaired or Replacement	ASME Code Stamped (Yes or
								No)
Spring Support	ITT Grinnell	G2502	N/A	1SG036H0	011	1982	Repaired	YES
Load Coupling	Anvil	41-74722	N/A	1SG036H	011	2006	Repaired	YES
Adjuster Nut	Anvil	n/a	N/A	1SG036H	011	2006	Replacement	YES
/								
	nill.						₹¥.	-1
	100				• .			
			,					
7. Description of V	Work: Reworked t	he load coupling by	replacing	he adjustir	ng nut wit	h one wit	h 4.5 threads p	er inch.
8. Test Conducted	: Hydrostatic	Pneumatic [Nom	inal Operati	ng Pressure	e 🗍	Exempt 🛚	
N-4	416-2 Other	Pressure ps	i	•	Test Tem	nperature	°F	Ş
inches, (2) info	ormation in items 1	form of lists, sketch thru 6 on this repo ded at the to of this	rt is include	-	-			

	FORM N	15-2 (Back)	
9. Remarks: Work order 2901355 (s		aced the adjuster nut on the load cour	ler with one that has 4.5
threads per inch. WO# 2888427 w	vill install in unit-1		
		1 :	
Pre-Pressured Test WO Review - I	si <u>N/A</u>		<u> </u>
	NII N/A	,	
- A	WII		
	Certificate	of Compliance	
We certify that the statements n	nade in the report are co	orrect and this repair conforms to t	he rules of the ASME
Code, Section XI.		1	*
Type Code Symbol Stamp	N/A		1
Certificate of Authorization No.	. N/A	Expiration Date:	N/A '
1			. 1
Signed: Owner of	Y. Con Sulting Emor Owner's Designee, Title	gineer Date: 6	5/13/06
• • • • • • • • • • • • • • • • • • • •	2 C Wall C 2 C S S S S C C C C C C C C C C C C C		. /
	·		
CERTI	FICATE OF INS	SERVICE INSPECTION	
I, the undersigned, holding a v	alid commission issued	d by the National Board of boiler	and Pressure Vessel
Inspectors and the State or Pro-	vince of Arizona and en	nployed by HSB CT of Hartford	d, Connecticut, have
inspected the components desc	ribed in this Owner's r nd state that to the best	eport during the period of of my knowledge and belief, the G	Owner has performed
		bed in this Owner's Report in	
requirements of the ASME Cod	le, Section XI.		· 静
D			7
	-	s employer makes any warranty, described in this Owner's report.	
		nanner for any personal injury or	
loss of any kind arising from or	connected with this in	spection.	· · · · · · · · · · · · · · · · · · ·
24/-		G	
- ZZ Brian		Commissions: NB 9685 "N" " National Board, State,	Province, and Endorsements
Inspectors Signa	ature	,,	
Date: 6-13-06		-	

ASME SECTION XI – REPAIR / REPLACEMENT Page of 1. Component ID BS-0860408623 1290 2.. Item Description: Main Steam Safety Valve; Dresser - 6" 3707RAX-RT-25 3. N-5 Data Package Number: n/a 4. W.O. Number: 2901738 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: n/a Report Number: n/a 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. J.E. 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 1992 Edition and 1992 Addenda 13. ASME Section XI Code/Edition: ☐ YES 14. Preservice Inspection Required: ⊠ NO Initial West Date 4-27-04 If required, include a step in the W.O. to perform Preservice Inspection 15. ASME Section XI Pressure Test Required: ☐ YES ⊠ NO _Date _6-27-04 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 6-27-06 component. 17. Include a step in the W.O. to record below all applicable numbers for repaired or Date 6-27-06 replacement items. Item ID Part No. Serial No. Heat No. MR/PO/WO No. Disc APN 00064290 N/A Printed Name: Pr 18. Planner Signature 19. ISI RG HOLSTROM 6-29-06 Printed Name: 20. ANII Date

District the second of the sec	CONTRACTOR PLANTS OF THE RESIDENCE			11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		A SECTION OF THE PARTY OF THE PARTY.	
1. Owner: Arizo	na Public Service (Company, et. al.			Date: <u>9/2</u>	2/2006		
P. O. 1	Box 53999, Phoeni	x Arizona 85072-20	034	,	Sheet:	<u>1</u> of <u>2</u>	. .	
2. Plant: Palo V	Verde Nuclear Gene	erating Station			Unit: <u>2</u>			
<u>5801 S</u>	South Wintersburg	Road., Tonopah, A	rizona 8535	4-7529	Work Ord	er Numbe	r <u>2901738</u>	•
3. Work Performe	ed by: <u>NWS Technol</u>	ogies			Type of C	ode Stamp	None None	
					Authoriza	tion No.	<u>N/A</u>	
, ,					Expiration	Date N/	A	
4. Identification of	of System: CH: Che	mical and Volumn Co	ontrol System	<u>1</u>			÷.	
5. (a) Applicable	Construction Code A	ASME Section III NC	C, Class 2	974 Editio	n, <u>Summer</u>	<u>1975</u> Add	enda, Co	de Case
(b) Applicable	Edition of Section Y	KI Utilized for Repair	s or Replace	ments: <u>199</u>	2 Edition	, 1992 Ac	ldenda	
6. Identification of	of Components Repai	red or Replaced and I	Replacement	Componer	nts			1
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.		her ication	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)
Disc	Dresser	ADG60	N/A	BS-08623	3	2001	Replacement	NO
						:	·	
. '								
	·							
		Í		·				· · · · · · · · · · · · · · · · · · ·
~			,					
7. Description of	Work: Overhaul a	nd test spare Main S	Steam Safet	y Valve.				
8. Test Conducted	d: Hydrostatic	Pneumatic [] Nom	inal Operat	ing Pressur	e 🗌	Exempt 🛚	
N-	416-2 Other	Pressure <u>n/a</u> psi			Test Ten	nperature	<u>n/a</u> °F	
NOTE: Supplinches, (2) inf	lemental sheets in f	form of lists, sketch	es, or drawi	ngs may h	ne used nro	ovided (1)) size is 8 ½ X	. 11

	FORM NIS-2 (Back)
S. Carlotte	Remarks: Work order #2901738 for off-site disassembly, reconditioning and testing of a spare Main Steam Safety Valve; s/n BS-08623. The new type (material) disc was installed.
Pr	e-Pressured Test WO Review – ISI
	ANIIN/A
	Certificate of Compliance
	We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.
	Type Code Symbol Stamp N/A
	Certificate of Authorization No. N/A Expiration Date: N/A
	Signed: Product ISI Engineer Date: 10-3-2006 Owner or Owner's Designee, Title
E STATE OF THE STA	
	CERTIFICATE OF INSERVICE INSPECTION
The second secon	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.

PV216-08N1 (8-88) 73DP-9ZZ17 Rev 9

Inspectors Signature

10-4-06

Date:

Commissions: NB 9685 "N" "1" 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

. Manu	factured and cert		ser Valve Division; D section Hwy. 167 @ :	3225	North, Ale	exandria, Lo	ouisiana 7	13 09 ′ ;			
	•					s of NPT Certi			le .		
Manu	factured for Ari	izona Public Se	rvice Company P.O. I	30x 5	3940 Pho	enix, Arizo	na 85072-3	3940 /		<u> </u>	
		d .: 5	t- Ci O- Dala M			oddress of pure		۱ جـــحاجم			
Locati	on of installation	Arizona Pub	ic Service Co Palo V	erde i	vuci Gene	name and add	esa)	sourg r	ka. Tonopa	in, Arizona	a 85
Type	OS414	SB637 (li	nconel X-750)			N/A			N/A	8 3 1	200
. ,,,,	(drawing no.)		(mat'l spec. no.)			(tensile stre	ngth)		(CRN)		ear t
ASME	Code Section III	, Division 1:	1974	7 7 0	Summe	er 1975		2		N	I/A
		an with Canal S	(edition)	:		da date)		(dass)	747	(Code C	
-abnc	ated in accordan	ce with Const. 3	Spec. (Div. 2 only)	- A.	N/A '		levision _		VA	Date	N/
Domo!	rke : Sarial Nu	mhere Are Hee	d In Lieu Of NPT Star	nnina	, ,		•				
Kema	AS . OCHO IND	inders 740.030	- August - Commercial		i			.,	والمعرض والمناز جير فالمساق	رسيرور بعد بهد	5 3
سنميغسر يت	rame arrange or market with a service		· Annual stands		1 1001	• .				~	
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Vot			sign thickness (in.)					_ Leng	th overall	(ft. & jn.)	-
M	eppicable, Cerui	icate Holders'-L	ata Reports are attac	thed f	or each it	em of this !	eport:			.7	
1 2:33	•	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	######################################	-		And the second					
	Part or And	manaa	National	1.		Part or	Appurtenar	3000	.,.		•
8	Part of Aug	esa con ass	Board No.		arcals.	Sen	al Number	100	2000	National Board No.	. 7
			in Numerical Order	i	7.12.4 E	y value	Copper of	5 E ,		imencal O	
	ine will the	1 1 1	ne negariar	1	radicusio	these items)	bstosoer			.090719	
(1)	ADG80		308623		g =	at flyn wrig				3540 33	****
(2)	ADG61	三新 罗蒙尔斯	And the second second			ikonelezon un or				tent i privi	
(3)	ADG62	200	Secretary of the Secretary		(28)			coffic and		engan neger ir my	
(4)	ADG84	Sec. Carlina Insur			(29)	-				e single	
(5)	ADG85	त कार्याक्षाका सम्बद्धाः सम्बद्धाः सम्बद्धाः	, g. e		"(30)						
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(9)			·		(34)	····					
(10)				_ ''	(35)				<u> </u>		
(11)				_	(36)				 		 -
(12)	***************************************				(37)				<u> </u>		
(13)				- 3	(38)						
(14)					(39)						
(15)				'¦	(40)						
(16)	·		·	- 1	(41)						
(17) (18)				-	(42) (43)						
(18) (19)				-	(44)						
(20)				-	(45)						
(21)				⊣	(46) —				~~~~		
(22)				-	(47)						
(23)				-	(48)						
(24)				-	(49)						
				7	(50)	 ,					
(25)											

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

2303613

FORM N-2 (Back — Pg. 2 of 2)

	Certificate Holder's Serial	Nos. ADG6	60,61,62,64 th	51,62,64 through ADG65		
4.17	CERTIFICATION OF D	ESIGN	:7)	_		
Design specifications certified by	N/A	P.E. State	N/A Reg. No.	N/A		
) — — — — — — — — — — — — — — — — — — —	(when applicable)		, , , , , , , , , , , , , , , , , , ,			
Design report* certified by	N/A See	P.E. State	NA Reg. No.	N/A		
	(when applicable)			***************************************		
	CERTIFICATE OF COMPL	IANCE				
We certify that the statements made in this repo	rt are correct and that this (These)	Disc	. **			
conforms to the rules of construction of the ASM		-		· · · · · · · · · · · · · · · · · · ·		
, ^F						
NPT Certificate of Authorization No.	N-2434	Expires	5/20/2004			
1	The same of the sa		1 1			
Date \$-6-0 Name	SEE LINE 1	Signed // J	Blavers			
	(NFT Certificate Holder)	e dasian bilahasi	(authorized representative)	2.7.20		
the design oversit (& & & DIA		2000	Trans.			
	CERTIFICATE OF INCRE	CTION				
500 300430 - 15	- CERTIFICATE OF INSPE	CHON				
I, the undersigned, holding a valid commission is	sued by the National Board of Boiler	and Pressure Vessel in	Specines with to he State of	Province		
of LOUISIANA and employed		Colemanial or		1 10thice		
	these items described in this Data F		lo (and state	that to the		
est of my knowledge and belief, the Certificate I						
III, Division 1. Each part listed was been authorized	ed for stamping on the date shown a	bove.	TOUC A TOUC	/ <u>1</u>		
By signing this certificate, neither the inspector no	or his employer makes any warranty	expressed or implied.	onceming the equipmen	described		
n this Data Report. Furthermore neither the insp	ector nor his employer shall be liable	in any manner for any	personal injury or proper	v damage		
or loss of any kind arising from or connected with	this inspection.	The second secon		y demogra		
1			**	• • •		
Date 8601 Signed	Commiss	sions	LABE	Cel		
(Authoriz	ed Nuclear Inspector)	(Nat'l. Bd. (incl. e	ndorsements) and state or pr	ov. and no.)		
معمد بنده المحاور والمحاور		•				

	ASME SECTION X	(I – REPAIR / REPI							
	201		Pa	geof					
1. Component ID <u>1MEWBI</u>		UE AT EVOU ANCED							
2 Item Description: <u>ESSE</u> 3. N-5 Data Package Number		4. W.O. Number:	2904130						
	5. Original Construction Code Edition: 1974 Edition, Winter 1975 Addenda								
6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda									
7. Work Description: Perform base material weld repairs on the Channel Head Sovers of the Essential									
Coo	ing Water (EW) Heat exchai								
8. 🗌 ISI Flaw N		NDE Method of Flaw De	tection:						
		Report Number:		•					
9. Evaluation of the suitabili	ty of this work as per the req	uirements of IWA - 4150:							
ENGINEERING INSPE	CTION DETERMINED WE	LD REPAIRS REQUIRE	D PRIOR TO RE-COA	ATING. THERE					
WAS NO FAILURE OF	THE PRESSURE BOUNDA	ARY. This is you	tine repairs	P					
compded and	THE PRESSURE BOUNDA	ting failure.	RPZ 6/20/08	Š					
*** • * • •	•		•						
10. Repair/Replacement Wor	rk Organization: Arizona P	ublic Service	<i>,</i>						
11. Replacement Items Cons	truction or reconciled Code/I	Edition: Sec. III Cl 3, 19	74 Edition 1975 Winte	er Addenda					
12. Repair/Replacement Act	vity Construction Code/Edit	ion: Sec. III Cl 3, 1974 l	Edition 1975 Winter A	<u>ddenda</u>					
13. ASME Section XI Code/	Edition: 1992 Edition and	1992 Addenda		/					
14. Preservice Inspection Re	quired:	☐ YES ☐ NO		,					
Initial J.o. Date _	,-20-06 If required,	include a step in the W.O.	to perform Preservice	Inspection					
15. ASME Section XI Pressu	re Test Required:	▼ YES □ NO							
Initial <u>T. O.</u> Date <u>6</u>	-20-06 If required,	include a step in the W.O.	for ISI & ANII Inspec	tion.					
Initial I.D. Date		a step in the W.O. to com	plete NIS-2 Form prior	r to releasing the					
Initial J.D. Date	6-20-06 17. Include replacement	a step in the W.O. to reco	rd below all applicable	numbers for repaired or					
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.					
1MEWBE01	N/A	N/A	N/A	N/A					
		*							
		,	<u> </u>	<u> </u>					
				A. 70000 0 000 0					
18. Planner Signature	D= 6-30	-06 Printed Name:	James I. Davis						
19. ISI Signature	200 E/20 Da	Printed Name:	R.P. Indag	Rog entry RP					
20. ANII 25 from Signature	V		R.G. HOLSTRON	ņ					
2.5	Du	••	i i						

1. Owner <u>Arizona</u>	Public Service Co	mpany, et. al.			Date		06/23/06	
	x 53999, Phoenix,							22
2. Plant Palo Ver	rde Nuclear Genera	ating Station			Unit		1	
1	Wintersburg Rd., 7	Name						
		,						
3. Work Performed b	y Arizona Public	Service Name			Type Code Symbol Stamp None			
				lo. <u>"N</u>	4			
<u>=5801 S.</u>	Wintersburg Rd.,	Tonopah, AZ	85354		Expiration	on Date	;N	<u>/A</u>
4. Identification of Sy	stem Spray Por	nd & 1MEWB	E01					
E (a) Applicable Co	notruction Code ASN	AE Section III	10 74	Edition	W/ 75	٨٨٨	anda NA	Codo Casa
	nstruction Code ASM							. /
(b) Applicable Edi	ition of Section XI Utiliz	zed for Repairs or	: Replacemer	nts 19	<u>92</u> Edit	tion, _	<u> 12</u> Adde	nda
6. Identification of Co	omponents Repaired o	r Replaced and R	leplacement (Compo	nents			
Name of Item	Name of Manufacturer	Manufacturer Serial No.	National Board No.	O Ident	ther ification	Year Built	Repaired or Replacemen	ASME Code Stamped t (Yes or No)
SP/EW	Struther Wells Corp	17606329132	14441	1	WBE01	1	Repaired	Yes
,								
		·						
	:		, , , , , , , , , , , , , , , , , , , ,	<u></u>				
7. Description of Wor	k See remarks on	sheet 2.		···	·····			
8. Test Conducted:	Hydrostatic P	neumatic 🔲	Nominal Ope	erating I	Pressure	Ø	Exempt	N-416-2
	Other	Pressure 54	1.5 psi			Test Te	emp. <u>76</u>	°F
	•							
(2) information in ite	tal sheets in form of ems 1 through 6 on t ets is recorded at the	this report is inc	luded on ea					



Dame).				
Remark	The work included per	rformed base material weld rep	pairs on the Channel Heads a	nd 2" nozzles
Pre-Pressu	re Test Review: ISI NA	ANII NA		
		CERTIFICATE OF COM	PLIANCE	
	tify that the statements m	nade in the report are correct a	nd this repair confo	orms to the rule
Type C	ode Symbol Stamp	N/A		
Certific	ate of Authorization No	N/A	Expiration Date	N/A
Signed	TABL-	FNGK	Date 6-	23-06
-	CERI			
		TIFICATE OF INSERVICE	INSPECTION	
of Historian the period belief, the	ndersigned, holding a validors and the State or Proventford, Connecticut and Land an	d commission issued by the Natince of	ational Board of Boiler and Foyed by HSB CT nts described in this Owner's state that to the best of my otive measures described in	s Report durin knowledge an
Inspector of History the period belief, the Report in By significancers in neither the second	idersigned, holding a validers and the State or Provent ford. Connecticut on the Owner has performed in accordance with the resulting the examinations and the Inspector nor his employers.	d commission issued by the Natince of	ational Board of Boiler and Foyed by HSB CT Ints described in this Owner's state that to the best of my ctive measures described in , Section XI. In makes any warranty, express of in this Owner's Report. Francer for any personal injury of the property of the section of the s	Report durin knowledge an this Owner's essed or implicurthermore, or property
Inspector of History the period belief, the Report is By significancers neither to	idersigned, holding a validers and the State or Provent ford. Connecticut on the Owner has performed an accordance with the resulting the examinations and the Inspector nor his emplor a loss of any kind arise.	d commission issued by the Natince of	ational Board of Boiler and Foyed by HSB CT Ints described in this Owner's state that to the best of my ctive measures described in Section XI. In makes any warranty, expressed in this Owner's Report. Fromer for any personal injury of inspection.	Report durin knowledge an this Owner's essed or implicurthermore, or property

	ASME SECTION A	XI – REPAIR / REPL	ACEMENT Pag	e i of \
1. Component ID 1PSIEV21	7	The Control of the Co	A MA	The second will be a second se
2 Item Description: SIT 2A		Loom 2A		
			004627	
3. N-5 Data Package Number:5. Original Construction Code		4. W.O. Number: 2!	904027	· ,
6. Original Installation Code				
 7. Work Description: Rewo 8. ☐ ISI Flaw 	ik of replace the bonnet and	NDE Method of Flaw Det		. •
0. [_] 151 Flaw ,			ccion:	
O. Evoluation of the suitability	af •b.:al	Report Number:		
9. Evaluation of the suitability	•	uirements of TWA - 4150:		
Seat leakage - No ASME	boundary failure	•		
		•		
*				
10. Repair/Replacement Worl	k Organization: Arizona F	Public Service		
11. Replacement Items Const	_		4 Edition 1975 Winter	: Addenda
12. Repair/Replacement Activ				
13. ASME Section XI Code/E				
·			4	
14. Preservice Inspection Req	uirea:	☐ YES ☐ NO		
Initial N/A Date	If required.	include a step in the W.O. t	o perform Preservice	Inspection
15. ASME Section XI Pressur	•	X YES □ NO	£	1
	•			
Initial Jo Date 10	1f required,	include a step in the W.O. I	or ISI & ANII Inspect	ion.
Initial J.o. Date 10	16. Include			
initial Date /	component		lete NIS-2 Form prior wer operation.	to releasing the
	17 Include	for permanent service or po	wer operation.	-
Initial To Date 10	17 Include	for permanent service or portage a step in the W.O. to record	wer operation.	-
	17. Include	for permanent service or post a step in the W.O. to record titems. Serial No.	wer operation.	numbers for repaired or MR/PO/WO No.
Initial To Date 10	17. Include replacement	for permanent service or posts a step in the W.O. to record titems. Serial No. Regard Description	wer operation. I below all applicable Heat No.	numbers for repaired or MR/PO/WO No.
Initial To Date 10	17. Include replacement	for permanent service or post a step in the W.O. to record titems. Serial No.	wer operation. I below all applicable Heat No.	numbers for repaired or
Initial To Date 10	17. Include replacement	for permanent service or post a step in the W.O. to record titems. Serial No. 3ane + Disc CF-881 88213466-8	wer operation. I below all applicable Heat No.	numbers for repaired or MR/PO/WO No.
Initial To Date 10	17. Include replacement	for permanent service or post a step in the W.O. to record titems. Serial No. 3ane + Disc CF-881 88213466-8	wer operation. I below all applicable Heat No.	numbers for repaired or MR/PO/WO No.
Initial To Date 10	17. Include replacement	for permanent service or post a step in the W.O. to record titems. Serial No. 3ane + Disc CF-881 88213466-8	wer operation. I below all applicable Heat No.	numbers for repaired or MR/PO/WO No.
Initial To Date 10	17. Include replacement	for permanent service or post a step in the W.O. to record titems. Serial No. 3ane + Disc CF-881 88213466-8	wer operation. I below all applicable Heat No.	numbers for repaired or MR/PO/WO No.
Initial To Date 10	17. Include replacement	for permanent service or post a step in the W.O. to record titems. Serial No. 3ane + Disc CF-881 88213466-8	wer operation. I below all applicable Heat No.	numbers for repaired or MR/PO/WO No.
Initial To Date 10	17. Include replacement	for permanent service or post a step in the W.O. to record titems. Serial No. 3ane + Disc CF-881 88213466-8	wer operation. I below all applicable Heat No.	numbers for repaired or MR/PO/WO No.
Initial To Date 10	17. Include replacement	for permanent service or post a step in the W.O. to record titems. Serial No. 3ane + Disc CF-881 88213466-8	wer operation. I below all applicable Heat No.	numbers for repaired or MR/PO/WO No.
Initial To Date 10	17. Include replacement Part No. 45060170	for permanent service or post a step in the W.O. to record titems. Serial No. 3 and 1 Disc CF-881 RS213466-8 RS 213449-10	wer operation. I below all applicable Heat No.	MR/PO/WO No.
Initial Jo Date 10 Item ID Bornel Arm Nisc Assm 18. Planner	17. Include replacement Part No. 45060170	for permanent service or post a step in the W.O. to record titems. Serial No. 3 and 1 Disc CF-881 RS213466-8 RS 213449-10	wer operation. I below all applicable Heat No.	MR/PO/WO No.
Initial Is Date 10 Item ID Barnet Arm Visc ASSM	17. Include replacement	for permanent service or post a step in the W.O. to record titems. Serial No. 3 and 1 Disc CF-881 RS213466-8 RS 213449-10	wer operation. I below all applicable Heat No.	MR/PO/WO No.
Initial To Date 10 Item ID Bornet Arm Visc 155m 18. Planner Signature	17. Include replacement Part No. 45060170	for permanent service or post a step in the W.O. to record titems. Serial No. Same f Disc CF-881 RS213466-8 RS 213449-10 Printed Name:	Heat No. James I.	MR/PO/WO No.
Initial To Date 10 Item ID Barnel Arm Visc Assm	17. Include replacement Part No. 45060170	for permanent service or post a step in the W.O. to record titems. Serial No. 3 and 1 Disc CF-881 RS213466-8 RS 213449-10 Printed Name:	Heat No. James I.	MR/PO/WO No.
Initial I.o. Date 10. Item ID Bornet Arm Visc 155m 18. Planner Signature 19. ISI PMda	17. Include replacement Part No. 45060170 10-4- 10-4-	for permanent service or post a step in the W.O. to record titems. Serial No. Same f Disc CF-881 RS213466-8 RS 213449-10 Printed Name: The Printed Name:	Heat No. Heat No. James I. P. INDAP	MR/PO/WO No. 2912172 Pavis Log Entry PRE
Initial I.o. Date 10. Item ID Bornet Arm Visc 155m 18. Planner Signature 19. ISI PM da	17. Include replacement Part No. 45060170 10-4- 10-4-	for permanent service or post a step in the W.O. to record titems. Serial No. Same f Disc CF-881 RS213466-8 RS 213449-10 Printed Name: The Printed Name:	Heat No. James I.	MR/PO/WO No. 2912172 Pavis Log Entry PRE

As Required by the Provisions of the ASME Code Section XI

Committee and services on the service of the services	entropy and the state of the state of the	poeter in the color of Schools becomes in the		And the second second second	and the contract of the contra	The second and the second seco	er to a service of a
1. Owner: Arizona	Public Service Co	ompany, et. al.		Date	06-16-20	07	
<u>P. O. Bo</u>	x 53999, Phoenix	<u> Arizona 85072-20</u>	034	Shee	t: <u>1</u> of	<u>2</u>	٠.
2. Plant: Palo Ver	rde Nuclear Gener	ating Station		Unit:	1		-
5801 So	uth Wintersburg R	oad., Tonopah, A	rizona 85354-	-7529 Worl	order Nun	nber 2904627	
3. Work Performed	by: <u>Arizona Public S</u>	Service Co.		Туре	of Code Sta	amp <u>None</u>	
	5801 S. Wintersb	ourg Rd., Tonopah,	Arizona, 85354	1-7529 Auth	orization No	o. <u>N/A</u>	
2				Expi	ration Date	N/A	
4. Identification of S	System: Safety Inje	ction (SI)	•			(\$6.5) 	
5. (a) Applicable Co	onstruction Code AS	ME Section III NB	s, Class 1	974 Edition, Wi	nter 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 Editi	on, 1992 A	ddenda	,
6. Identification of C	Components Repaire	d or Replaced and I	Replacement C	omponents		1	<i>'</i>
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired or Replacement	ASME Code Stamped
							(Yes or NO)
14" Check Valve	Borg Warner	26224	615	1PSIEV217	1977	Repaired	Yes
Bonnet	Borg Warner	S/N 3	N/A	Ht # 2E76	N/A	Replaced	Yes
Disc	Borg Warner	S/N 5	N/A	Ht # 2E69	N/A	Replaced	Yes
Bonnet	Borg Warner	RS 213449-10 SN CF-881	N/A	N/A	1991	Replacement	Yes
Disc	Borg Warner	RS 213466-863	N/A	N/A	1991	Replacement	Yes
			, .				
7. Description of Wo	ork: Replaced the bo	onnet and disc asser	nbly with a nev	w assembly			
8. Test Conducted: I	Hydrostatic	Pneumatic	Nominal Oper	rating Pressure	☑ Exen	npt	5-2
Other	Press	ure psi		Tes	t Temperatu	ire°F	
•				•			

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

9. W.O. 2904627 replaced bonnet & disc assembly in valve 1PSIEV217, with refurbished bonnet & disc assembly that was removed from valve 3PSIEV247 during U3R12 under W.O. 2861512 and refurbished under W.O. 2912172.
Pre-Pressure Test work order review - ISI :
ANII: 1/1 6-16-67
Certificate of Compliance
We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp N/A
Certificate of Authorization No. N/A Expiration Date: N/A
Signed: 151 SNG Date: 7/4/07
Owner of Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of boiler and Pressure Vessel Inspectors and the State or Province of <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>10-4-66</u> to <u>1-4-61</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Commissions: NB 9685 "N" "I" AZ264 National Board, State, Province, and Endorsements
Date: 7-4-07

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

4	ASME SECTION	XI – REPAIR / REPL	ACEMENT Pa	geof
 Component ID <u>1SI122HO</u> Item Description: <u>1/4 KI</u> 	-			
3. N-5 Data Package Number		4. W.O. Number: 2	<u> 2909551</u>	
5. Original Construction Cod		, Winter 1975 Addenda		
6. Original Installation Code	Edition: 1974 Edition,	Winter 1975 Addenda	•	
7. Work Description: REP	LACE SNUBBER			-
8. 🔲 ISI Flaw		NDE Method of Flaw De Report Number: N/A	tection: N/A	
9. Evaluation of the suitabili	ty of this work as per the	requirements of IWA - 4150:	•	
Not a failure of the ASM	E III pressure boundary.	Snubber is being replaced as a	percautionary measu	re. This is a like for
like replacement. No wel	ding.			
,				:-
10. Repair/Replacement Wor	rk Organization: Arizon	a Public Service		•
11. Replacement Items Cons	-		, 1974 Edition Winter	1975 Addenda
12. Repair/Replacement Acti				
13. ASME Section XI Code/	Edition: 1992 Edition	and 1992 Addenda		
14. Preservice Inspection Re	quired:	☐ YES	•	
Initial N/A Date 🔯	13/2007 If require	ed, include a step in the W.O.	to perform Preservice	Inspection
15. ASME Section XI Pressu		☐ YES ⊠ NO		
Initial NA Date CA	15/2007 If require	ed, include a step in the W.O.	for ISI & ANII Inspec	ction.
Initial RB Date Of	115/207 ISI 8	nde a step in the W.O. to verift ANII prior to approving IN	P525 Status.	
Initial ARB Date	/15/200717. Inch repla	ade a step in the W.O. to reconcement items.	rd below all applicable	e numbers for
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
Snubber /	APN 45350024	14736	N/A	MR 1235960
				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
		,		
,				
18. Planner Signature	Baig of	Date Date	SCOTT R.	BAIZE
19. ISI Signature	9/17	Date Printed Name:	12613,20un	Log Entry 213
20. ANII Signatura	6-1	4-07 Printed Name:	Ru Houstro	<u>m</u>
Post after the area of the many to the area and the contract of the area of th	tion of the control o	CONTRACTORIO IS AN INTERNAL PRINCIPALISM. THE MET AN INTERNAL PRINCIPAL REPORT OF A SOCIETY WAS	LINE WILLIAM STATE OF THE STATE AND THE STATE OF THE STAT	and the control above in the colour was easier to be a faired in the transition of the colour in the colour was

1. Owner: Arizona Public Service Company, et. al.					Date: <u>06/</u>	13/2007		
P. O. Box 53999, Phoenix Arizona 85072-2034					Sheet: $\underline{1}$ of $\underline{2}$			
2. Plant: Palo V	Verde Nuclear Gene	erating Station			Unit: <u>1</u>			
<u>5801 S</u>	South Wintersburg	Road., Tonopah, Ai	rizona 8535	<u>54-7529</u>	Work Ord	er Number	r <u>2909551</u>	-
3. Work Performed by: Arizona Public Service Type of Code Stamp None								
	•	. •			Authorizat	tion No.	<u>N/A</u>	
	÷				Expiration	Date N/	<u>'A</u> ₩	
4. Identification of	f System: <u>SI</u>				•		A6.	
5. (a) Applicable	Construction: Code 4	ASME Section III NF	<u>Class 2</u> 1	<u>1974</u> Editio	on, Winter 1	<u>975</u> Adde	nda, Cod	e Case
(b) Applicable	Edition of Section Y	XI Utilized for Repairs	s or Replacer	ments: 19	992 Edition	, 1992 Ad	denda	
6. Identification of	f Components Repai	ired or Replaced and I	Replacement	: Compone	nts	<u> </u>		/
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	•	ther ification	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)
PSA 1/4 Snubber	Pacific Scientific	14736	N/A	1SI122H	.003	1981	Replacement	YES
							·	
/								-
, K.	·					·		
	·		۸					
			,				·	
7. Description of V	Work: Replaced St	nubber NO WELDI	<u>NG</u>	-		-		:
8. Test Conducted	: Hydrostatic	Pneumatic [☐ Nomi	nal Operat	ting Pressure	e 🔲 📑	Exempt 🛛	
N-4		Pressure psi	i	•	Test Tem	iperature	°F	
		·*						:
inches, (2) info	ormation in items 1	form of lists, sketched thru 6 on this reported at the to of this f	rt is include					

FO	RM	NIS-2	(Back)
		***	(100011)

سعمص	·	,
9.	. Remarks: WO# 290955 removed and will replace 1S11221	1003. ITT Grinnell changed to PSA Modification Change
1	Notice #58504.	
ĺ		
-		
<u> </u>		•
Ρ1	re-Pressured Test WO Review – ISI	
İ	ANII /a	
ĺ		•
	Cortificate	of Compliance
	Cei uncate (of Compliance
	TIT 4 C-4 -4 A -4 A -4 A	
	We certify that the statements made in the report are co	rrect 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
	a Canada	,
	Signed: Hill Harry	ISI ENGINEER Date: 675-07
	Owner or Owner's Designee, Title	
		/
ı		
žv.		· · · · · · · · · · · · · · · · · · ·
79		
Î	·	
26	CERTIFICATE OF INS	ERVICE INSPECTION
19 19	CERTIFICATE OF INS	ERVICE INSPECTION
10	CERTIFICATE OF INS	ERVICE INSPECTION
-20 20		
e e e e e e e e e e e e e e e e e e e	I, the undersigned, holding a valid commission issued	by the National Board of boiler and Pressure Vessel
	I, the undersigned, holding a valid commission issued Inspectors and the State or Province of Arizona and en	by the National Board of boiler and Pressure Vessel aployed by HSB CT of Hartford, Connecticut , have
20	I, the undersigned, holding a valid commission issued Inspectors and the State or Province of Arizona and en inspected the components described in this Owner's re-	by the National Board of boiler and Pressure Vessel aployed by <u>HSB CT</u> of <u>Hartford, Connecticut</u> , have export during the period of
26	I, the undersigned, holding a valid commission issued Inspectors and the State or Province of <u>Arizona</u> and en inspected the components described in this Owner's reto, and state that to the best of,	by the National Board of boiler and Pressure Vessel apployed by <u>HSB CT</u> of <u>Hartford, Connecticut</u> , have export during the period of
98	I, the undersigned, holding a valid commission issued Inspectors and the State or Province of Arizona and en inspected the components described in this Owner's reto, and state that to the best examinations and taken corrective measures describ	by the National Board of boiler and Pressure Vessel apployed by <u>HSB CT</u> of <u>Hartford, Connecticut</u> , have export during the period of
999	I, the undersigned, holding a valid commission issued Inspectors and the State or Province of <u>Arizona</u> and en inspected the components described in this Owner's reto, and state that to the best of,	by the National Board of boiler and Pressure Vessel apployed by <u>HSB CT</u> of <u>Hartford, Connecticut</u> , have export during the period of
98	I, the undersigned, holding a valid commission issued Inspectors and the State or Province of Arizona and en inspected the components described in this Owner's reto, and state that to the best examinations and taken corrective measures describ	by the National Board of boiler and Pressure Vessel apployed by <u>HSB CT</u> of <u>Hartford, Connecticut</u> , have export during the period of
98	I, the undersigned, holding a valid commission issued Inspectors and the State or Province of Arizona and en inspected the components described in this Owner's reto, and state that to the best examinations and taken corrective measures describ	by the National Board of boiler and Pressure Vessel apployed by <u>HSB CT</u> of <u>Hartford, Connecticut</u> , have export during the period of
98	I, the undersigned, holding a valid commission issued Inspectors and the State or Province of Arizona and en inspected the components described in this Owner's reto, and state that to the best examinations and taken corrective measures describ	by the National Board of boiler and Pressure Vessel apployed by <u>HSB CT</u> of <u>Hartford, Connecticut</u> , have export during the period of
98	I, the undersigned, holding a valid commission issued Inspectors and the State or Province of Arizona and en inspected the components described in this Owner's reto, and state that to the best examinations and taken corrective measures describ	by the National Board of boiler and Pressure Vessel apployed by HSB CT of Hartford, Connecticut, have export during the period of
	I, the undersigned, holding a valid commission issued Inspectors and the State or Province of Arizona and en inspected the components described in this Owner's reto, and state that to the best examinations and taken corrective measures describ requirements of the ASME Code, Section XI. By signing this certificate, neither the Inspector nor his	by the National Board of boiler and Pressure Vessel aployed by HSB CT of Hartford, Connecticut, have export during the period of C-14-07 of my knowledge and belief, the Owner has performed ed in this Owner's Report in accordance with the semployer makes any warranty, expressed or implied,
	I, the undersigned, holding a valid commission issued Inspectors and the State or Province of Arizona and en inspected the components described in this Owner's reto, and state that to the best examinations and taken corrective measures describ requirements of the ASME Code, Section XI. By signing this certificate, neither the Inspector nor his concerning the examinations and corrective measures of the ASME Code, Section XI.	by the National Board of boiler and Pressure Vessel aployed by HSB CT of Hartford, Connecticut, have export during the period of G-14-07 of my knowledge and belief, the Owner has performed ed in this Owner's Report in accordance with the seemployer makes any warranty, expressed or implied, described in this Owner's report. Furthermore, neither
	I, the undersigned, holding a valid commission issued Inspectors and the State or Province of Arizona and en inspected the components described in this Owner's reto, and state that to the best examinations and taken corrective measures describ requirements of the ASME Code, Section XI. By signing this certificate, neither the Inspector nor his concerning the examinations and corrective measures of the Inspector nor his employer shall be liable in any manner.	by the National Board of boiler and Pressure Vessel aployed by HSB CT of Hartford, Connecticut, have apport during the period of G-14-07 of my knowledge and belief, the Owner has performed ed in this Owner's Report in accordance with the described in this Owner's report. Furthermore, neither anner for any personal injury or property damage or a
	I, the undersigned, holding a valid commission issued Inspectors and the State or Province of Arizona and en inspected the components described in this Owner's reto, and state that to the best examinations and taken corrective measures describ requirements of the ASME Code, Section XI. By signing this certificate, neither the Inspector nor his concerning the examinations and corrective measures of the ASME Code, Section XI.	by the National Board of boiler and Pressure Vessel aployed by HSB CT of Hartford, Connecticut, have apport during the period of G-14-07 of my knowledge and belief, the Owner has performed ed in this Owner's Report in accordance with the described in this Owner's report. Furthermore, neither anner for any personal injury or property damage or a
	I, the undersigned, holding a valid commission issued Inspectors and the State or Province of Arizona and en inspected the components described in this Owner's reto, and state that to the best examinations and taken corrective measures describ requirements of the ASME Code, Section XI. By signing this certificate, neither the Inspector nor his concerning the examinations and corrective measures of the Inspector nor his employer shall be liable in any manner.	by the National Board of boiler and Pressure Vessel aployed by HSB CT of Hartford, Connecticut, have export during the period of G-14-07 of my knowledge and belief, the Owner has performed ed in this Owner's Report in accordance with the seemployer makes any warranty, expressed or implied, described in this Owner's report. Furthermore, neither anner for any personal injury or property damage or a pection.
	I, the undersigned, holding a valid commission issued Inspectors and the State or Province of Arizona and en inspected the components described in this Owner's reto, and state that to the best examinations and taken corrective measures describ requirements of the ASME Code, Section XI. By signing this certificate, neither the Inspector nor his concerning the examinations and corrective measures of the Inspector nor his employer shall be liable in any manner.	by the National Board of boiler and Pressure Vessel aployed by HSB CT of Hartford, Connecticut, have export during the period of G-14-07 of my knowledge and belief, the Owner has performed ed in this Owner's Report in accordance with the seemployer makes any warranty, expressed or implied, described in this Owner's report. Furthermore, neither anner for any personal injury or property damage or a pection.
	I, the undersigned, holding a valid commission issued Inspectors and the State or Province of Arizona and en inspected the components described in this Owner's reto, and state that to the best examinations and taken corrective measures describ requirements of the ASME Code, Section XI. By signing this certificate, neither the Inspector nor his concerning the examinations and corrective measures of the Inspector nor his employer shall be liable in any m loss of any kind arising from or connected with this inspector.	by the National Board of boiler and Pressure Vessel aployed by HSB CT of Hartford, Connecticut, have apport during the period of G-14-07 of my knowledge and belief, the Owner has performed ed in this Owner's Report in accordance with the described in this Owner's report. Furthermore, neither anner for any personal injury or property damage or a
	I, the undersigned, holding a valid commission issued Inspectors and the State or Province of Arizona and en inspected the components described in this Owner's reto, and state that to the best examinations and taken corrective measures describ requirements of the ASME Code, Section XI. By signing this certificate, neither the Inspector nor his concerning the examinations and corrective measures of the Inspector nor his employer shall be liable in any manner.	by the National Board of boiler and Pressure Vessel aployed by HSB CT of Hartford, Connecticut, have export during the period of G-14-07 of my knowledge and belief, the Owner has performed ed in this Owner's Report in accordance with the exception seems of employer makes any warranty, expressed or implied, described in this Owner's report. Furthermore, neither anner for any personal injury or property damage or a pection. Commissions: NB 9685 "N" "I" AZ264 National Board, State, Province, and Endorsements
	I, the undersigned, holding a valid commission issued Inspectors and the State or Province of Arizona and en inspected the components described in this Owner's reto, and state that to the best examinations and taken corrective measures describ requirements of the ASME Code, Section XI. By signing this certificate, neither the Inspector nor his concerning the examinations and corrective measures of the Inspector nor his employer shall be liable in any m loss of any kind arising from or connected with this inspector.	by the National Board of boiler and Pressure Vessel aployed by HSB CT of Hartford, Connecticut, have cord during the period of

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

	ASME SECTION	XI – REPAIR / REP	LACEMENT Pa	ge of
 Component ID <u>1PC006H</u> Item Description: <u>1/4 KI</u> N-5 Data Package Number Original Construction Code Original Installation Code Work Description: <u>Repl</u> ☐ ISI Flaw Evaluation of the suitability 	P Snubber P Snubber P P Snubber P P Snubber P P Snubber P Snubber P Snubber	4. W.O. Number: Summer 1976 Addenda Winter 1975 Addenda NDE Method of Flaw D Report Number: equirements of IWA - 4150	Detection:	
	•	precautionary measures. Th		cement. NO
WELDING. 10. Repair/Replacement Wor 11. Replacement Items Cons 12. Repair/Replacement Acti 13. ASME Section XI Code/	truction or reconciled Cod vity Construction Code/Ed	e/Edition: Sec.III NF C13		976 Addenda
14. Preservice Inspection Recognition Initial NAME Date Of 15. ASME Section XI Pressu	re Test Required: 14/2007 If required: 14/2007 If required:	d, include a step in the W.C. YES No. d, include a step in the W.C. de a step in the W.C. to ver	O. for ISI & ANII Inspectify NIS-2 Form has been	Inspection etion.
Initial Date Of	17. Inclu	ANII prior to approving II de a step in the W.O. to recement items.		e numbers for
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
1PC006H016	APN 45350024	15456	N/A	WO# 2909582
		. ,		

As Required by the Provisions of the ASME Code Section XI

1. Owner: <u>Arizo</u> t	na Public Service (Company, et. al.	Paparagen and State and China Section (1995) and the en-	i en respondinte a de commune à	Date: <u>06</u> /	/14/2007		
<u>P. O. E</u>	Box 53999, Phoeni	x Arizona 85072-20	034		Sheet:	<u>1</u> of <u>2</u>		
2. Plant: Palo Verde Nuclear Generating Station Unit: 1								
<u>5801 S</u>	South Wintersburg	Road., Tonopah, A	rizona 8535	54-7529	Work Ord	er Numbe	r <u>2909582</u>	
3. Work Performe	d by: <u>Arizona Public</u>	c Service			Type of C	ode Stamp	None None	
t					Authorizat	tion No.	N/A	
,				,	Expiration	Date N/	<u>'A</u>	
4. Identification of	f System: PC	•			*.			
5. (a) Applicable	Construction Code A	ASME Section III NF	Class 3	1 <u>974</u> Editio	n, <u>Summer</u>	1976 Add	enda, <u>3</u> Code Ca	ise
(b) Applicable	Edition of Section X	XI Utilized for Repair	s or Replace	ments: 19	92 Edition,	, 1992 Ade	denda	
6. Identification of	f Components Repai	red or Replaced and	Replacement	Componen	its	_		/
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No!	Otl Identif		Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)
1/4 KIP Snubber	PSA	15456	N/A	1PC006H	016	80	Replacement	YES
VLL KIP Shugger	PSA	11548	2/4	190006	Holo	1983	REPLACED	Yes
		,						
,			·					
				,				
			,					
7. Description of V	Vork: <u>Snubber re</u> p	paced with like for	like. No we	lding.				
8. Test Conducted	: Hydrostatic	Pneumatic [Nom	inal Operati	ng Pressur	e 🗌	Exempt 🛛	
N -4	116-2 Other	Pressure ps	<u>;</u>		Test Ten	nperature	°F	Ą

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

	FORM NIS-	2 (Back)	•
Remarks: WO# 2909582 removed and		ber it is being changed out for pred	cautionary measures.
The snubber being placed into service	serial number is 15456.		
Pre-Pressured Test WO Review – ISI	NA	+	
ANII_			
,	Certificate of Co	ompliance	
We certify that the statements made ASME Code, Section XI.	in the report are correct	and this replacement conforms	to the rules of the
Type Code Symbol Stamp	N/A		
Certificate of Authorization No.	N/A	Expiration Date:	N/A
Certificate of Authorization No. Signed: Signed: Si	R _ ISI ENGIN mer's Designee, Title	EER Date: 6	/16/07

CERTIFICATE OF INSERVI	CE INSPECTION
I, the undersigned, holding a valid commission issued by the Inspectors and the State or Province of Arizona and employed inspected the components described in this Owner's report due to, and state that to the best of my knexaminations and taken corrective measures described in the requirements of the ASME Code, Section XI.	by HSB CT of Hartford, Connecticut, have ring the period of
By signing this certificate, neither the Inspector nor his employ concerning the examinations and corrective measures described the Inspector nor his employer shall be liable in any manner for loss of any kind arising from or connected with this inspection.	d in this Owner's report. Furthermore, neither or any personal injury or property damage or a
Communication Co	nissions: NB 9685 "N" "I" AZ264 National Board, State, Province, and Endorsements

ASME SECTION XI – REPAIR / REPLACEMENT Page of 1. Component ID 1PCHNV835 ... Item Description: 1-1/2" Borg Warner 1665# Y type lift check valve 3. N-5 Data Package Number: 1CH14-1 4. W.O. Number: 2912076 5. Original Construction Code Edition: 1974 Edition, Winter 1975 Addenda 6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda Disassemble check valve for inspection. The body to bonnet seal weld will need to be removed and later 7. Work Description: replaced. Other parts will be replaced if necessary based upon inspection. NDE Method of Flaw Detection: n/a 8. ISI Flaw Report Number: n/a 9. Evaluation of the suitability of this work as per the requirements of IWA - 4150: Not a failure of the ASME III pressure boundary. Seal weld is required to be removed for check valve inspection. 37. -10. Repair/Replacement Work Organization: Arizona Public Service 11. Replacement Items Construction or reconciled Code/Edition: Sec. III Cl 2, 1974 Edition 1975 Winter Addenda 12. Repair/Replacement Activity Construction Code/Edition: Sec. III Cl 2, 1974 Edition 1975 Winter Addenda 13. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda \bowtie NO ☐ YES 14. Preservice Inspection Required: Initial Pag Date 10-7-06 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 <u>10-7-06</u> 16. Include a step in the W.O. to verify NIS-2 Form has been completed by _ Date 10-7-06 ISI & ANII prior to approving INP525 Status. 17. Include a step in the W.O. to record below all applicable numbers for 10-7-12 Initial replacement items. Serial No. Heat No. MR/PO/WO No. Item ID Part No. 26454 1-1/2" Borg Warner Valve N/A N/A N/A Body/Bonnet Seal Weld n/a n/a n/a n/a Printed Name: DAVID M. GOODLET Printed Name: FINDAP Log Entry RF2 18. Planner Signature Printed Name: R.G. Houstron 10-9-06 20. ANII Date

Owner Arizo	na Public Service (Company et al	and the second second	en edikarida ezere.	Date: 10/	6/2006	and a second with the second s	THE STATE OF STATES
P. O. Box 53999, Phoenix Arizona 85072-2034 Sheet: <u>1</u> of <u>2</u>								
2. Plant: Palo Verde Nuclear Generating Station Un						ar Numba	2012076	. *
	5801 South Wintersburg Road., Tonopah, Arizona 85354-7529 Work Order Number 2912076							
3. Work Performed by: Arizona Public Service Type of Code Stamp None								
					Authorizat			
		,			Expiration	Date N/	<u>A</u>	
4. Identification o	f System: <u>CH: Che</u>	mical and Volumn Co	ontrol Systen	1				
5. (a) Applicable	Construction Code A	ASME Section III NC	, Class 2 1	1974 Editic	on, Winter 1	975 Adde	nda, Code	e Case
(b) Applicable	Edition of Section >	I Utilized for Repairs	s or Replace	ments: <u>19</u>	92 Edition,	1992 Ad	denda	
6. Identification of	f Components Repai	red or Replaced and I	Replacement	Compone	nts			/
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.		ther fication	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)
Valve	Borg Warner	26454	N/A	1PCHNV	7835	1979	Repaired	YES
Seal Weld	N/A	N/A	N/A	1PCHNV	7835	2007	Replacement	NO
/	·						·	
								,
	·							,
			,					
7. Description of V	Work: Removal of	seal weld for check	k valve inte	rnal inspe	ction.			
8. Test Conducted	: Hydrostatic	Pneumatic [Nom	inal Operat	ing Pressure	e 🗍 🔝	Exempt 🛛	
N-4	416-2 Other	Pressure <u>n/a</u> psi			Test Ten	nperature	<u>n/a</u> °F	
					,			
inches, (2) info	ormation in items 1	Form of lists, sketche thru 6 on this repo ded at the to of this	ort is include	-	_			

FORM NIS-2 (Back)	
Remarks: Work Order# 2912076 on check valve 1PCHNV835 for inspection per seal weld needs to be removed and replaced to support this inspection.	the check valve program. The bonnet
Pre-Pressured Test WO Review – ISI	
ANII	
Certificate of Compliance	
We certify that the statements made in the report are correct and this replac ASME Code, Section XI.	ement conforms to the rules of the
Type Code Symbol Stamp N/A	
Certificate of Authorization No. N/A Expira	tion Date: N/A
Signed: Rhdap, ISI Engineer Owner or Owner's Designee, Title	Date: <u>6-4-2007</u>
CERTIFICATE OF INSERVICE INSP	PECTION
I, the undersigned, holding a valid commission issued by the National Boundary Inspectors and the State or Province of Arizona and employed by HSB C inspected the components described in this Owner's report during the perito, and state that to the best of my knowledge and examinations and taken corrective measures described in this Owner's requirements of the ASME Code, Section XI.	T of Hartford, Connecticut, have iod of
By signing this certificate, neither the Inspector nor his employer makes a	ny warranty, expressed or implied,
concerning the examinations and corrective measures described in this Ow the Inspector nor his employer shall be liable in any manner for any persoloss of any kind arising from or connected with this inspection.	vner's report. Furthermore, neither
	B 9685 "N" "I" AZ264 tional Board, State, Province, and Endorsements
Date:6-4-07	

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

_		XI - REPAIR / REPI			
			Pa	geof	
1. Component ID <u>1PIAEV0</u>	73				
2 Item Description: Contai	nment Service Air Supply	Check Valve			
3. N-5 Data Package Number	: <u>1IA19-1</u>	4. W.O. Number:	<u> 2912105</u>		
5. Original Construction Cod	de Edition: 1974 Edition,	Summer 1975 Addenda		•	
6. Original Installation Code	Edition: 1974 Edition, V	Vinter 1975 Addenda		•	
7. Work Description: Tack	Weld Hinge Support to th	ne Bonnet per P221B-00145			
8. 🔲 ISI Flaw		NDE Method of Flaw De	etection:	·	
		Report Number:			
9. Evaluation of the suitability	ty of this work as per the re	equirements of IWA - 4150			
No Failure of the ASME	Pressure Boundary				
e e					
10. Repair/Replacement Wor	rk Organization - Arizona	Public Service			
11. Replacement Items Cons		 	974 Edition Summer 19	975 Addenda	
12. Repair/Replacement Acti				,	
13. ASME Section XI Code/	*	and 1992 Addenda			
14. Preservice Inspection Re		☐ YES ⊠ NO		,	
14. Treservice inspection Re	quireu.			/	
Initial Date	If required	d, include a step in the W.O	. to perform Preservice	Inspection	
15. ASME Section XI Pressu	ire Test Required:	☐ YES ⊠ NO			
If required, include a step in the W.O. for ISL& ANII Inspection					
11/10	•			ction.	
Initial <u>NA</u> Date	If required	d, include a step in the W.O	. for ISI & ANII Inspe		
11/10	If required 16. Include	d, include a step in the W.O de a step in the W.O. to ver	. for ISI & ANII Inspe ify NIS-2 Form has bed		
Initial <u>NA</u> Date	If required 16. Inclu-	d, include a step in the W.O de a step in the W.O. to ver ANII prior to approving IN	. for 1SI & ANII Inspe ify NIS-2 Form has bed IP525 Status.	en completed by	
Initial <u>NA</u> Date	If required 16. Inclu- ISI & 17. Inclu-	d, include a step in the W.O. de a step in the W.O. to ver ANII prior to approving IN de a step in the W.O. to reco	. for 1SI & ANII Inspe ify NIS-2 Form has bed IP525 Status.	en completed by	
Initial MA Date	If required 1/26/07 16. Inclu ISI & 17/26/07 17. Inclu replace	d, include a step in the W.O. de a step in the W.O. to ver ANII prior to approving IN de a step in the W.O. to recomment items.	for 1SI & ANII Inspendify NIS-2 Form has been perfectly that the perfect of the p	en completed by	
Initial AA Date	If required 16. Inclu- ISI & 17. Inclu-	d, include a step in the W.O. de a step in the W.O. to ver ANII prior to approving IN de a step in the W.O. to recomment items. Serial No.	for ISI & ANII Inspectify NIS-2 Form has been IP525 Status. The below all applicable Heat No.	en completed by e numbers for MR/PO/WO N	
Initial MA Date	If required 1/26/07 16. Inclu ISI & 17/26/07 17. Inclu replace	d, include a step in the W.O. de a step in the W.O. to ver ANII prior to approving IN de a step in the W.O. to recomment items.	for 1SI & ANII Inspendify NIS-2 Form has been perfectly that the perfect of the p	en completed by	
Initial AA Date	If required 1/26/07 16. Inclu- ISI & 1/26/07 17. Inclu- replace Part No.	d, include a step in the W.O. de a step in the W.O. to ver ANII prior to approving IN de a step in the W.O. to recomment items. Serial No.	for ISI & ANII Inspectify NIS-2 Form has been IP525 Status. The below all applicable Heat No.	en completed by e numbers for MR/PO/WO N	
Initial AA Date	If required 1/26/07 16. Inclu- ISI & 1/26/07 17. Inclu- replace Part No.	d, include a step in the W.O. de a step in the W.O. to ver ANII prior to approving IN de a step in the W.O. to recommend items. Serial No.	for ISI & ANII Inspectify NIS-2 Form has been IP525 Status. The below all applicable Heat No.	en completed by e numbers for MR/PO/WO N	
Initial AA Date	If required 1/26/07 16. Inclu- ISI & 1/26/07 17. Inclu- replace Part No.	d, include a step in the W.O. de a step in the W.O. to ver ANII prior to approving IN de a step in the W.O. to recommend items. Serial No.	for ISI & ANII Inspectify NIS-2 Form has been IP525 Status. The below all applicable Heat No.	en completed by e numbers for MR/PO/WO N	
Initial Date Date Date Date Date Date Date Date	If required 1/26/07 16. Inclu- ISI & 1/26/07 17. Inclu- replace Part No.	d, include a step in the W.O. de a step in the W.O. to ver ANII prior to approving IN de a step in the W.O. to recommend items. Serial No.	for ISI & ANII Inspectify NIS-2 Form has been IP525 Status. The below all applicable Heat No.	en completed by e numbers for MR/PO/WO N	
Initial AA Date	If required 1/26/07 16. Inclu- ISI & 1/26/07 17. Inclu- replace Part No.	d, include a step in the W.O. de a step in the W.O. to ver ANII prior to approving IN de a step in the W.O. to recommend items. Serial No.	for ISI & ANII Inspectify NIS-2 Form has been IP525 Status. The below all applicable Heat No.	en completed by e numbers for MR/PO/WO N	
Initial AA Date	If required 1/26/07 16. Inclu- ISI & 1/26/07 17. Inclu- replace Part No.	d, include a step in the W.O. de a step in the W.O. to ver ANII prior to approving IN de a step in the W.O. to recommend items. Serial No.	for ISI & ANII Inspectify NIS-2 Form has been IP525 Status. The below all applicable Heat No.	en completed by e numbers for MR/PO/WO N	
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Initial AA Date Initial Date Date Date Date Date Date Date Date	If required 16. Inclu- ISI & 17. Inclu- replace 17. Inclu- replace 18. Inclu- replace 19.	d, include a step in the W.O. to ver ANII prior to approving IN de a step in the W.O. to recommend items. Serial No. N/A	for ISI & ANII Inspectify NIS-2 Form has been IP525 Status. The arrangement of the second below all applicable in the se	en completed by e numbers for MR/PO/WO N WO	
Initial AA Date Initial Date O Initial Date O Item ID Tack Welds 18. Planner AAAA	If required 16. Inclu- ISI & 17. Inclu- replace 17. Inclu- replace 18. Inclu- replace 19.	d, include a step in the W.O. to ver ANII prior to approving IN de a step in the W.O. to recommend items. Serial No. N/A	for ISI & ANII Inspectify NIS-2 Form has been IP525 Status. The below all applicable Heat No.	en completed by e numbers for MR/PO/WO N WO	
Initial MA Date	If required 16. Inclu- ISI & 17. Inclu- replace Part No. N/A N/A O4/6	de a step in the W.O. to ver ANII prior to approving IN de a step in the W.O. to recommend items. Serial No. N/A Printed Name:	ify NIS-2 Form has been processed below all applicable Heat No. N/A TOHM LUAD	en completed by e numbers for MR/PO/WO N WO	
Initial AA Date Initial Date Date Date Date Date Date Date Date	If required 16. Inclu- ISI & 17. Inclu- replace Part No. N/A N/A O4/6	de a step in the W.O. to ver ANII prior to approving IN de a step in the W.O. to recommend items. Serial No. N/A Printed Name:	ify NIS-2 Form has been processed below all applicable Heat No. N/A TOHM LUAD	en completed by e numbers for MR/PO/WO N WO	
Initial Date Date Date Date Date Date Date Date	If required 16. Inclu- ISI & 17. Inclu- replace Part No. N/A N/A O4/6	d, include a step in the W.O. to ver ANII prior to approving IN de a step in the W.O. to recommend items. Serial No. N/A	ify NIS-2 Form has been processed below all applicable Heat No. N/A TOHM LUAD	en completed by e numbers for MR/PO/WO N WO	
Initial Date Date Date Date Date Date Date Date	If required 16. Inclu- ISI & 17. Inclu- replace 17. Inclu- replace 18. Inclu- replace 19.	de a step in the W.O. to ver ANII prior to approving IN de a step in the W.O. to recommend items. Serial No. N/A Printed Name:	ify NIS-2 Form has been 1P525 Status. The at No. N/A TOTAL WAS	en completed by e numbers for MR/PO/WO N WO Log Entry	

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

P. O. Box 53999, Phoenix Arizona 85072-2034 2. Plant: Palo Verde Nuclear Generating Station	1. Owner: Arizona Public Service Company, et. al.					Date: <u>03/22/2007</u>			
3. Work Performed by: Arizona Public Service Type of Code Stamp None Authorization No. N/A Expiration Date N/A 4. Identification of System: IA 5. (a) Applicable Construction Code ASME Section III.NC. Class 2 1974 Edition, Summer 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 Item Name of Manufacture Serial No. National No. Placement Replacement Edentification Built Replacement Code Stamped (Yes or No) Valve Anchor Darling E-6374-3-1 NA 1PIAEV073 1979 Repaired YES 7. Description of Work: Note remarks on Page 2. **** Code cases listed on NPV-1 8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt No. 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	P. O. Box 53999, Phoenix Arizona 85072-2034				Sheet: $\underline{1}$ of $\underline{2}$				
3. Work Performed by: Arizona Public Service Authorization No. N/A Expiration Date N/A 4. Identification of System: 1A 5. (a) Applicable Construction Code ASME Section III NC. Class 2 1974 Edition, Summer 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 Item Name of Manufacture Serial No. National Board No. Pear Identification Replacement Code Stamped (Yes or No) Valve Anchor Darling E-6374-3-1 NA 1PIAEV073 1979 Repaired YES 7. Description of Work: Note remarks on Page 2. **** Code cases listed on NPV-1 8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt N-416-2 Other Pressure psi Test Temperature 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	2. Plant: <u>Palo</u>	Verde Nuclear Gen	erating Station			Unit: 1			
Authorization No. N/A Expiration Date N/A 4. Identification of System: IA 5. (a) Applicable Construction Code ASME Section III NC, Class 2 1974 Edition, Summer 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 Name of Manufacture Serial No. Name of Item Namufacture Serial No. No. Placement Serial No. No. Placement Serial No. No. Placement Serial No. Placement	5801 South Wintersburg Road., Tonopah, Arizona 85354-7529				Work Order Number 2912105				
Expiration Date N/A 4. Identification of System: 1A 5. (a) Applicable Construction Code ASME Section III NC, Class 2 1974 Edition, Summer 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 Name of Manufacture Serial No. National Board No. Other Identification Suilt Replacement Code Stamped (Yes or No)	3. Work Performed by: Arizona Public Service				Type of Code Stamp None				
4. Identification of System: 1\(1\text{1\text{1\text{1\text{1\text{1\text{1\text{1\text{0\text{2\text{0\text{0\text{0\text{0\text{2\text{0\tex						Authorization No. N/A			
5. (a) Applicable Construction Code ASME Section III NC, Class 2 1974 Edition, Summer 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 Name of Manufacture Serial No. No. No. Identification Year Repaired or Replacement Code Stamped (Yes or No.) Valve Anchor Darling E-6374-3-1 NA 1PIAEV073 1979 Repaired YES						Expiration Date <u>N/A</u>			
(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	4. Identification	of System: <u>IA</u>							
6. Identification of Components Repaired or Replaced and Replacement Components Name of Name of Manufacture Serial No. No. Identification No. No	5. (a) Applicabl	e Construction Code 2	ASME Section III NC	C, Class 2	1 <u>974</u> Editic	on, <u>Summer</u>	1975 Ad	denda, **** Cod	e Case
Name of Item Name of Manufacture Serial No. National Board No. Valve Anchor Darling E-6374-3-1 NA IPIAEV073 1979 Repaired or Replacement Yes or No) 7. Description of Work: Note remarks on Page 2. **** Code cases listed on NPV-1 8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt N-416-2 Other Pressure psi 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	(b) Applicab	e Edition of Section 2	KI Utilized for Repair	s or Replace	ments: 199	92 Edition,	1992 Add	lenda	
Item Manufacture Serial No. Board No. Identification Built Replacement Code Stamped (Yes or No)	6. Identification	of Components Repai	red or Replaced and l	Replacement	Compone	nts			/
7. Description of Work: Note remarks on Page 2. **** Code cases listed on NPV-1 8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Nominal Operating Pressure Frest Temperature Frest Temperature Frest Temperature Inches, (2) information in items 1 thru 6 on this report is included on each sheet, and (3) each sheet is numbered			i e	Board				4	Code
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt No.416-2 Other Pressure psi Test Temperature F				No.				·	(Yes or
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt No.416-2 Other Pressure psi Test Temperature F	Valve	Anchor Darling	E-6374-3-1		1PIAEV(073	1979	Repaired	(Yes or No)
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt No.416-2 Other Pressure psi Test Temperature F	Valve	Anchor Darling	E-6374-3-1		IPIAEV(073	1979	Repaired	(Yes or No)
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt No.416-2 Other Pressure psi Test Temperature F	Valve	Anchor Darling	E-6374-3-1		IPIAEV(073	1979	Repaired	(Yes or No)
N-416-2 Other Pressure psi Test Temperature °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	Valve	Anchor Darling	E-6374-3-1		IPIAEV(073	1979	Repaired	(Yes or 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					1PIAEV((Yes or No) YES
inches, (2) information in items 1 thru 6 on this report is included on each sheet, and (3) each sheet is numbered	7. Description of	Work: Note remar	ks on Page 2.	NA .		**** Cc	ode case:	s listed on NPV	(Yes or No) YES
inches, (2) information in items 1 thru 6 on this report is included on each sheet, and (3) each sheet is numbered	7. Description of 8. Test Conducted	Work: <u>Note remar</u> d: Hydrostatic	ks on Page 2.	NA Nom		**** Co	ode case	s listed on NPV Exempt ⊠	(Yes or No) YES
	7. Description of 8. Test Conducted	Work: <u>Note remar</u> d: Hydrostatic	ks on Page 2.	NA Nom		**** Co	ode case	s listed on NPV Exempt ⊠	(Yes or No) YES

	FORM NIS-2 (Back)
1	Remarks: _Work Order 2912105 replaced the tack welds between the Check Valve hinge support and the bonnet.
Pi	re-Pressured Test WO Review – ISI
	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 N/A
	Certificate of Authorization No. N/A Expiration Date: N/A
	Signed: Jud Stud ISI ENGINEER Date: 5/18/07 Owner or Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
	I, the undersigned, holding a valid commission issued by the National Board of boiler and Pressure Vessel Inspectors and the State or Province of <u>Arizona</u> and employed by <u>HSB CT</u> of <u>Hartford, Connecticut</u> , have inspected the components described in this Owner's report during the period of <u>S-1-07</u>
. •	to, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
	By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
	Commissions: NB 9685 "N" "I" AZ264 Inspectors Signature NB 9685 "N" "I" AZ264 National Board, State, Province, and Endorsements
	Date:5-18-07

	ASME SECTION X	XI – REPAIR / REPL	ACEMENT	
A CONTRACT OF A		and the second of the second o	Pa	geof
1. Component ID 1PSIEV54	<u>40</u>			
2 Item Description: <u>HPSI/I</u>	PSI Header Loop Injection	Check Valve		
3. N-5 Data Package Number	: <u>1RC01-1C</u>	4. W.O. Number: <u>2</u>	912115	•
5. Original Construction Cod				•
6. Original Installation Code				
7. Work Description: Rew	ork or replace the bonnet and			
8. 🗌 ISI Flaw		NDE Method of Flaw Det	ection:	i
Evaluation of the suitabilit	work as nor the rea	Report Number:		
	•	differents of TWA - 4150.		
<u>Seat leakage - No ASME</u>	boundary failure			
,				
		•	en en en en en en en en en en en en en e	
			336	
10. Repair/Replacement Wor	-		74 T 177 1075 TT	. A 1.1. 1
11. Replacement Items Cons12. Repair/Replacement Acti				
13. ASME Section XI Code/			amon 1975 Winter A	ddenda
14 December Inspection Dec		D ves M No	•	, .
14. Freservice hispection Rec	quired.	L TES MINO		31mT-67217
Initial N/A Date	If required,	include a step in the W.O.	to perform Preservice	Inspection 1
15. ASME Section XI Pressu	re Test Required:	YES 127 NO	BONNET R	e-125TALLEX
Initial A/A Date 15. ASME Section XI Pressu Initial To Date	If required,	include a step in the W.O.	for ISI & ANII Inspec	ction.
Initial Date	16 Include	a step in the W.O. to comp	olete NIS-2 Form prio	r to releasing the
Initial 40 Date 1	0-4-06 component	for permanent service or po		
	17. Include	a step in the W.O. to recor	d below all applicable	e numbers for repaired or
Initial J.10 Date 10	replacemen	-	11	
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No
Disc	4502 1077	#5		2990311
	1000		<u> </u>	
			ļ	
		,		
		, ,		
			L	
18. Planner	La 10.4		James I.	DAVLS
Signature	Da		\sim \sim	
19. ISI Ando	10-4-	Printed Name:	K. P. INDAP	Log Entry RP
Signature	Da	ate		
20. ANII RA Motime	10-4-	06 . Drinted Name	R.G. HOGSTR.	om
Signature	Da			
PV216-08NI (8-88)	istoria nen i yakibi dantaria da 1865-888 - Lakatin artikan (i. 1864-1864) a kan bili bili da kan bili kata bili kata bili kan bili kata	 And with a second control of the property of the second control of the control of t	the state of the first and the state of the	73DP-97Z17 Rev 9

As Required by the Provisions of the ASME Code Section XI

	THE LEASE STREET	**************************************									
1. Owner: Arizona	Public Service Co	mpany, et. al.			Date:	06-16-200)7				
<u>P. O. Bo</u>	x 53999, Phoenix	Arizona 85072-20)34	,	Sheet:	<u>1</u> of	<u>2</u>				
2. Plant: Palo Ver	de Nuclear Genera	ating Station			Unit:	1					
<u>5801 Soi</u>	uth Wintersburg Ro	oad., Tonopah, A	rizona 85354-	<u>7529</u>	Work (Order Num	nber 2912115	•			
3. Work Performed	by: <u>Arizona Public S</u>	ervice Co.			Туре о	of Code Sta	amp <u>None</u>				
5801 S. Wintersburg Rd., Tonopah, Arizona, 85354-7529 Authorization No. N/A											
Expiration Date <u>N/A</u>											
4. Identification of System: Safety Injection (SI)											
5. (a) Applicable Co	onstruction Code AS	ME Section III NB	, Class 1 1	974 Edition	n, <u>Wint</u>	er 1975 Ac	ddenda, <u>N/A</u> Cod	e 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 Identifica		Year Built	Repaired or Replacement	ASME Code Stamped (Yes or NO)			
12" Check Valve	Borg Warner	31972	1018	1PSIEV	540	1978	Repaired	Yes			
Disc	Borg Warner	S/N 10	N/A	Ht # 2G	71	N/A	Replaced	Yes			
Disc	Borg Warner	S/N 5	N/A	Ht # 2C	218	N/A	Replacement	Yes			
,											
¥								1			
			,								
7. Description of Wo	ork: Replaced the di	sc.						* -			
8. Test Conducted:	Hydrostatic	Pneumatic	Nominal Oper	rating Press	ure 🔲	Exen	npt 🛛 N-41	6-2			
Other	Press	ure psi			Test	Temperatu	ıre °F				
inches, (2) inform	nental sheets in for mation in items 1 t eets is recorded at	hru 6 on this repo	rt is included								

 W.O. 2912115 replaced disc in valve 1PSIEV540, with refu during U2R13 under W.O. 2934428 and refurbished under V 	
Pre-Pressure Test work order review - ISI :) _A
Certificate of	Compliance
We certify that the statements made in the report are continuous the ASME Code, Section XI. Type Code Symbol Stamp	-
Certificate of Authorization No. N/A Signed: Windows or Owner's Designee, Title	
CERTIFICATE OF INS	ERVICE INSPECTION
I, the undersigned, holding a valid commission issued Inspectors and the State or Province of Arizona and eminspected the components described in this Owner's reto, and state that to the best of examinations and taken corrective measures describe requirements of the ASME Code, Section XI.	by the National Board of boiler and Pressure Vessel apployed by <u>HSB CT</u> of <u>Hartford, Connecticut</u> , have sport during the period of
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 maloss 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
Unspectors Signature Date: 6-16-07	National Board, State, Province, and Endorsements

PV-E0092 Ver. 7 Back 73DP-92Z17 Rev 8

ASME SECTION XI – REPAIR / REPLACEMENT

			7.40	OT /						
1. Component ID 1PRCEL1	46									
2 Item Description: Reacto	or Head Vent Piping Sup	port Bracket	Α.							
3. N-5 Data Package Number: <u>1RC01-4</u> 4. W.O. Number: <u>2914914</u>										
5. Original Construction Code Edition: 1974 Edition, Winter 1975 Addenda										
6. Original Installation Code	Edition: 1974 Edition.	Winter 1975 Addenda								
7. Work Description: Fabricate and Install Upgraded Design Reactor Head Vent Line Support Bracket										
8. ISI Flaw NDE Method of Flaw Detection:										
		Report Number:								
9. Evaluation of the suitability	ty of this work as per the	requirements of IWA - 4150	:							
The Unit-1 Reactor head	vent line support bracke	t was inspected during U1R12	2 and found to be out of o	configuration. The						
bracket was replaced dur	ing U1R12, however the	bracket was fabricated from	Non-ASME material. Th	ie head vent bracket						
will be replaced with a ne	will be replaced with a newly fabricated bracket per the details on drawing N001-0301-00168, utilizing ASME material.									
10. Repair/Replacement Wor	rk Organization: Arizon	na Public Service								
11. Replacement Items Cons	truction or reconciled Co	ode/Edition: Sec. III NF Cl	1, 1974 Edition Winter 19	975 Addenda						
12. Repair/Replacement Acti	vity Construction Code/	Edition: Sec. III NF Cl 1, 19	974 Edition Winter 1974	Addenda						
13. ASME Section XI Code/	Edition: 1992 Edition	and 1992 Addenda								
14. Preservice Inspection Rec	quired:	☐ YES ☐ NO								
Initial Ko Date	1/12/07 If requir	red, include a step in the W.O	. to perform Preservice In	nspection						
15. ASME Section XI Pressu	re Test Required:	☐ YES ☒ NO)							
Initial ws Date	4/17/07 If requir	red, include a step in the W.O	. for ISI & ANII Inspecti	ón.						
Initial WS Date	/ / /	<u>-</u>	, -							
Initial Koc Date	4/17/57 compon	lude a step in the W.O. to con	ipiete N18-2 Form prior	to releasing the						
Initial Kos Date	$\frac{\mathcal{L}/\mathcal{L}7}{\mathcal{L}}$ 17. Incl replacer	lude a step in the W.O. to reconent items.	ord below all applicable i	numbers for repaired or						
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.						
Channel, Structural SA36	APN 00097095		J63427	MR 1151657						
Tubing, Structural SA36	APN 00097093		N 60 1 65	MR 1151657						
Plate, 1/2" \$A36	APN 00100085		7/00294-01	MR 1200428						
Bolt, 1/2" SA 193 Gr.B7	APN 43103081		8963218	MR 1151657						
		,	NI							
Nut, 1/2" SA 194 Gr.B7	APN 00097094		+ "1	MR 1151657						
			 							
			<u> </u>							
18. Planner Kan	Surge	Printed Name:	Karl V. Savage							
Signature U	U									
19. ISI RRINDA	Ω	Printed Name:	R. P. INDAP	PBR						
19. ISI Signature	Ţ	Date Printed Name:		Log Entry						
/			01.1							
20. ANII Rytion			RG HOGSTROM							
Signature	en promonente de la companya del companya del companya de la compa	Date	and the second of the second second second second second second second second second second second second second							

As Required by the Provisions of the ASME Code Section XI

				100							
1. Owner: Arizo:	na Public Service (Company, et. al.		Date	04/25/200	<u>)7</u>					
<u>P. O. I</u>	Box 53999, Phoeni	x Arizona 85072-	2034	Shee	:	of					
2. Plant: <u>Palo V</u>	erde Nuclear Gen	erating Station		Unit:	1 .						
<u>5801 S</u>	South Wintersburg	Road., Tonopah,	Arizona 8535	54-7529 Worl	Order Nun	nber <u>2914914</u>					
3. Work Performe	ed by: <u>Arizona Publi</u>	<u>Service</u>		Туре	of Code Sta	amp <u>None</u>					
				Auth	Authorization No. N/A						
.*				Expir	ation Date	N/A					
4. Identification o	f System: RC - Rea	ctor Coolant									
5. (a) Applicable	Construction Code 2	ASME Section III N	NF, Class 1	1974 Edition, Win	nter 1975 A	ddenda, Co	ode Case				
(b) Applicable	Edition of Section 2	KI Utilized for Repa	airs or Replace	ments: <u>1992 Ed</u>	tion, 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)				
Channel, Structural SA36	N/A	N/A	N/A	N001-0301-168 Item 656-03		Replacement	NO				
Tubing, Structural SA36	N/A	N/A	N/A	N001-0301-168 Item 656-04	N/A	Replacement	NO				
Plate SA36	N/A	N/A	N/A	N001-0301-168 Item 656-05	N/A	Replacement	NO				
Bolts SA193GrB7	N/A	N/A	N/A	N001-0301-168 Item 656-12	N/A	Replacement	NO				
Nuts SA194GrB7	N/A	N/A	N/A	N001-0301-168 Item 656-13	N/A	Replacement	NO				
7. Description of \	Work: Replace the	head vent piping	support brac	ket to updated d	esign shov	vn on N001-030	1-00168				
8. Test Conducted	: Hydrostatic	Pneumatic	Nom:	inal Operating Pr	essure 🗌	Exempt 🔀					
1,7-17 N-4	416-2 Other	Pressure	psi	Tes	t Temperati	ore °F	.5				

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.

			F	C	F	V		N	I	S	-2	2	(E	38	1 (ŀ	())				
-	-									-			_		15.			-	W 8		-	in a	4,77
						 	•••			-		•	-				-					•	

9. Remarks: Work Order 2914914. Fabricated and installed up on drawing N001-0301-00168.	dated design of head vent piping support bracket as shown
Pre-Pressured Test WO Review – ISI	
Certificate of We certify that the statements made in the report are corr ASME Code, Section XI.	
Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Signed: TSI Expire Owner or Owner's Designed, Title	Expiration Date: N/A
Owner or Owner's Designer, Title	Date: <u>6-21-2001</u>
CERTIFICATE OF INSE	RVICE INSPECTION
I, the undersigned, holding a valid commission issued by Inspectors and the State or Province of Arizona and empinspected the components described in this Owner's reputo, and state that to the best of examinations and taken corrective measures described requirements of the ASME Code, Section XI.	ort during the period of 4-18-57 my knowledge and belief, the Owner has performed
By signing this certificate, neither the Inspector nor his concerning the examinations and corrective measures det the Inspector nor his employer shall be liable in any mar loss of any kind arising from or connected with this inspector.	scribed in this Owner's report. Furthermore, neither mer for any personal injury or property damage or a
Date: 6-27-07	Commissions: NB 9685 "N" "I" AZ264 National Board, State, Province, and Endorsements

PV216-08NI (8-88)

	ASME SECTION	XI - REPAIR / REP	LACEMENT	
			Pag	ge of
1. Component ID 1MDGB1	<u>204</u>			
2 Item Description: <u>Diesel</u>	generator lube oil piping		• •	
3. N-5 Data Package Numbe	r: <u>1DG02-10</u>	4. W.O. Number:	2924849	
5. Original Construction Co	de Edition: 1974 Edition,	Summer 1976 Addenda		
6. Original Installation Code	Edition: 1974 Edition, W	Vinter 1975 Addenda	•	•
7. Work Description: Rep	lace the missing nut on the	pipe u-bolt		
8. 🔲 ISI Flaw		NDE Method of Flaw I	Detection:	-
		Report Number:		•
9. Evaluation of the suitabili	ty of this work as per the re	equirements of IWA - 4150) :	
Nut is identical to the or	<u>iginal</u>	•		
		, .	·	•
,				
			3	
10. Repair/Replacement Wo	rk Organization Arizona	Public Service		
11. Replacement Items Cons	_		974 Edition 1976 Sumn	ner Addenda
12. Repair/Replacement Act		2		
13. ASME Section XI Code		nd 1992 Addenda	-06	
14. Preservice Inspection Re		☐ YES 🖾 NO		
. /			· ·	
Initial MAP Date 9	If required	l, include a step in the W.O	D. to perform Preservice	Inspection
15. ASME Section XI Press	ure Test Required:	☐ YES 🖾 N	O ***	
Initial NH MEDate 9	If required	l, include a step in the W.C	D. for ISI & ANII Inspec	ction.
- 11	•		•	
Initial Date 9	-/4-06 10. Includ	le a step in the W.O. to co at for permanent service or	-	r to releasing the
Initial MA Date 9 Initial MA Date 9	replaceme	le a step in the W.O. to recent items.	cord below all applicable	e numbers for repaired or
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
		,	P86 8448	
lube oil u-bolt nut	APN 43122008	N/A	11.01.178	MR 114 1629
· · · · · · · · · · · · · · · · · · ·				
		<u>. </u>		
un la	1011 611		11 / 0	//
18. Planner Many Signatur	Alle 7-15	Y-06 Printed Name	Markin S	UTTOGA
and a signatura	$\overline{}$	Date	R.P. INDAF	
19. ISI 00 100g	r) 9/14/	Printed Name	EP. INDAF	Log Entry P
Signature		Date		
20 ANIII Dr Lta	9-14-	06 75. 157	: R.C. Housta	Zam
20. ANII		Printed Name		
		Date	1	-

As Required by the Provisions of the ASME Code Section XI

1. Owner: Arizona Public Service Company, et. al. Date: 09/14/2006												
<u>P. O. E</u>	Box 53999, Phoeni	x Arizona 85072-20	<u> 134</u>	, · · · · · · · · · · · · · · · · · · ·	Sheet:	<u>1</u> of <u>2</u>	1 2 2 2					
2. Plant: Palo V	erde Nuclear Gene	erating Station			Unit: 1							
<u>5801 S</u>	South Wintersburg	Road., Tonopah, A	rizona 8535	<u>4-7529</u>	Work Ord	er Numbei	2924849	-				
3. Work Performed by: <u>Arizona Public Service</u> Type of Code Stamp <u>None</u>												
			Authorization No. <u>N/A</u>									
Expiration Date N/A												
4. Identification of	4. Identification of System: DG lube oil system											
5. (a) Applicable	5. (a) Applicable Construction Code ASME Section III NF, Class 3 1974 Edition, Summer 1976 Addenda, N/A Code Case											
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1992 Edition, 1992 Addenda												
6. Identification of	f Components Repai	red or Replaced and I	Replacement	Componer	nts			/				
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Ot Identii	her fication	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)				
L. O u-bolt nut	Cooper Energy	N/A	N/A	1MDGBP04		2006	Replacement	NO				
1 100				:								
				-			· .					
	A						<u></u> %					
					:							
			,			-						
7. Description of V	Work: Replace the	missing nut on the	u-bolt on th	ne lube oil	system or	the E.D.	G. work order	2924849				
8. Test Conducted	: Hydrostatic	Pneumatic [Nomi	nal Operat	ing Pressur	e 🔲	Exempt 🛛					
. · N	416-2 Other	Pressure ps	i .		Test Ten	nperature	°F					
**************************************						P						
inches, (2) info	ormation in items	form of lists, sketchel thru 6 on this repo	rt is include									

	FORM NIS-2 (Back)	
9.	Remarks: Replace the missing nut on the u-bolt on the lube oil system on the E.D.G. work order 2924849	
-		
Pı	re-Pressured Test WO Review – ISI	
	ANII	•
		-
	Certificate of Compliance	
	We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.	
	Type Code Symbol Stamp N/A	
	Certificate of Authorization No. N/A Expiration Date: N/A	
	Signed: Juditus SR. ISI ENGINEER Date: 9/15/06 Owner or Owner's Designee, Title	
	CERTIFICATE OF INSERVICE INSPECTION	
	I, the undersigned, holding a valid commission issued by the National Board of boiler and Pressure Vessel Inspectors and the State or Province of <u>Arizona</u> and employed by <u>HSB CT</u> of <u>Hartford, Connecticut</u> , have inspected the components described in this Owner's report during the period of	
	By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.	
	Commissions: NB 9685 "N" "I" AZ264 Inspectors Signature National Board, State, Province, and Endorsements	
	Date: 9-15-06	

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

	ASME SECTION X	KI – REPAIR / REPLA	ACEMENT	
			Page _	_1of2
1. Component ID <u>1MRCE</u>			• .	
2 Item Description: Reacte			206500	
 N-5 Data Package Numbe Original Construction Co 		4. W.O. Number: 29	926509	•.
Original Installation Code		, .	•	, ,
7. Work Description: Rer	nove & install 36 new Pres	ssurizer Heaters at the fol	lowing Pressurizer N	lozzle/Heater
loca	ations 1MRCEA01 thru A	18 and B01 thru B18.		•
8. 🗌 ISI Flaw		NDE Method of Flaw Dete	ection:	
O. Carlandian afaba anisabili	tan a Cabin and a second	Report Number:	Na hadan an haire a	
Evaluation of the suitabili measure to prevent IGSCCof		juirements of IWA - 4150: I	he heaters are being re	eplaced as a proactive
10. Repair/Replacement Wo	ork Organization: Arizona P	Public Service		
11. Replacement Items Cons	-		1 Edition 1973 Winter	Addenda
12. Repair/Replacement Act 30	ivity Construction Code/Edit	tion: ASME Sec. III, 1974 E	Ed., Winter 1975 Adder	nda, & Relief Request
13. ASME Section XI Code,	/Edition: 1992 Edition and	d 1992 Addenda		8
14. Preservice Inspection Re	quired:	☐ YES ⊠ NO		
InitialN/A Date	If required,	include a step in the W.O. §	o perform Preservice I	nspection
15. ASME Section XI Press	ure Test Required:	☐ YES 🖾 NO		
InitialN/A Date	If required,	include a step in the W.O. f	or ISI & ANII Inspecti	ion.
Initial Mate 9	16. Include component.	a step in the W.O. to comp	lete NIS-2 Form prior	to releasing the
Initial M Date 9	27. Include replacement	e a step in the W.O. to record titems.	d below all applicable	numbers for repaired or
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
Pzr Htr 1MRCEA01	APN00091387	NO5013-09	N/A	MR 1145928
Pzr Htr 1MRCEA02	APN00091387	NOS013-03	N/A	MR 1145928
Pzr Htr 1MRCEA03	APN00091387	No3028M01-18	N/A	MR 1145928
Pzr Htr 1MRCEA04	APN 00091387	NO5013-02	N/A	MR //45928
Pzr Htr 1MRCEA05	APN 00091387	N03028 M01-21	N/A	MR 01145928
Pzr Htr 1MRCEA06	APN 000 98328	NO5061-13	N/A -	MR 11-47297
Pzr Htr 1MRCEA07	APN 00098328	NOSO61-24	N/A	MR 1147297
Pzr Htr 1MRCEA08	APN 000 48328	NO5061-21	N/A	MR 1147297
18. Planner	m 9/22/0C	Printed Name: H	lerbert L. Green	
/ Signature			<i>a</i>	
19. ISI Signature	telscon R. Indap 97 Da	133/06 Printed Name: Ante	CAMAKANT INDAP	Log Entry
20. ANII Signature	Felson R. Indap 97 Da Perfolson R. Hogstam	1 9/31/a Printed Name: 2	Cobret Hostac	m

ASME SECTION XI - REPAIR / REPLACEMENT

Page _____ of ____ 2 Component Continuation: Work Order Number: 2926509 Serial No. Item ID Heat No. MR/PO/WO No. Part No. PZR HTR 1MRCEA09 APN 00091387 NO5013-07 N/A MR 01145928 NO5061-26 PZR HTR 1MRCEA10 APN 000 9A3J8 N/A MR 1147297 NO5061-25 MR //4 729 7 APN 000 98328 N/A PZR HTR 1MRCEA11 NO5061-27 APN 000 98328 N/A PZR HTR 1MRCEA12 1147297 NOSO61-06 APN *000 98328* N/A MR 1147297 PZR HTR 1MRCEA13 NO5013-15 PZR HTR 1MRCEA14 APN 00091387 N/A MR 01145928 MAT NOS013-04 MR 0114 5928 PZR HTR 1MRCEA15 APN 00091387 N/A NOSO61-01 PZR HTR 1MRCEA16 APN 000 98378 N/A 1147297 NO5061-03 APN *0009831* 8 PZR HTR 1MRCEA17 N/A NO5061-07 PZR HTR 1MRCEA18 APN 000 98338 N/A PZR HTR 1MRCEB01 APN 00091387 N05013-13 N/A MR 01145928 PZR HTR 1MRCEB02 APN 00091387 N/A N05013-11 01145928 APN 00091387 PZR HTR 1MRCEB03 N/A NO5013-10 0445928 APN 00048318 NO5061-29 ΝA 1147297 PZR HTR 1MRCEB04 PZR HTR 1MRCEB05 APN 00091387 N/A NO5013-14 01145928 NO5061-23 PZR HTR 1MRCEB06 N/A 1147297 APN 000 98328 MR PZR HTR 1MRCEB07 MR 01145928 APN 00091387 NO 3028MO1-22 N/A PZR HTR 1MRCEB08 APN 00091387 N/A MR 01145928 ND 3028 MOI-20 APN 00091387 PZR HTR 1MRCEB09 ND5013-12 N/A 01145928 PZR HTR 1MRCEB10 N/A ND3028MOI-19 01145928 APN 00091387 PZR HTR 1MRCEB11 NO 5013-05 N/A MR 01145928 NOSO61-19 PZR HTR 1MRCEB12 APN 000 98328 N/A 1147297 PZR HTR 1MRCEB13 APN 00091387 NO5013-08 N/A MR 01145928 PZR HTR 1MRCEB14 APN 00091387 N/A MR NO5013-01 01145928 NO5061-09 APN 000 98328 PZR HTR 1MRCEB15 N/A 1147297 NOSO61-04 PZR HTR 1MRCEB16 APN 000 98328 N/A MR 147297 NO5061-10 1147297 APN 00098328 PZR HTR 1MRCEB17 N/A MR APN (L) PZR HTR 1MRCEB18 0 (1) N/A MR Late Entay 9/22/06 Printed Name: _____Herbert L. Green 19/3/06 pre talecon R. Indap 9/33/00 Printed Name: Ramakant Indap Log Entry Date 10/3/06 per felecon R. 14015 from 9/23/2 Printed Name: Robert Hogstnam

1 INSTALLED UNDER W.O. 2978459

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

1. Owner: Arizon	na Public Service (Company, et. al.		Date	: 09/22/200	<u>)6</u>					
<u>P. O. I</u>	Box 53999, Phoeni	x Arizona 85072-	2034	Shee	t: <u>1</u> of	5					
2. Plant: Palo V	erde Nuclear Gene	erating Station		Unit	: 1		-				
<u>5801 S</u>	outh Wintersburg	Road., Tonopah,	Arizona 8535	4-7529 Wor	k Order Nun	nber <u>2926509</u>					
3. Work Performe	d by: <u>Arizona Publ</u>	ic Service Compa	any	Туре	of Code Sta	amp <u>None</u>					
				Auth	orization No	o. <u>N/A</u>					
Expiration Date N/A											
4. Identification of	f System: Reactor (Coolant System (RC	C), ASME Sect	ion III, Class 1							
5. (a) Applicable	Construction Code A	ASME Section III N	NB, Class 1 1	971 Edition, Wi	nter 1973 A	ddenda,Code	Case <u>1361-2</u>				
(b) Applicable	(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1992 Edition, 1992 Addenda										
6. Identification of	f Components Repai	red or Replaced and	d Replacement	Components			1				
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or				
		270 5010 00	27/1	11 (7) (7) (4)			NO)				
Pressurizer Heater	Doosan	N05013-09	N/A	1MRCEA01	N/A	Replacement	YES				
Pressurizer Heater	Doosan	N05013-03	N/A	1MRCEA02	N/A	Replacement	YES				
Pressurizer Heater	Doosan	N3028M01-18	N/A	1MRCEA03	N/A	Replacement	YES				
Pressurizer Heater	Doosan	N05013-02	N/A	1MRCEA04	N/A	Replacement	YES				
	Work: <u>Remove 35</u> EA01 thru A18 and		Pressurizer H	leaters at the fo	llowing Pro	essurizer Nozzle	:/Heater				
8. Test Conducted	: Hydrostatic [Pneumatic	Nominal Op	perating Pressure	☐ Ex	empt 🛚	•				
N-4	16-2	Other Pressure _	psi	Tes	t Temperatu	re°F					
inches, (2) info	NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 ½ X 11 inches, (2) information in items 1 thru 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the to of this form.										

As Required by the Provisions of the ASME Code Section XI

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

Date: 09/22/2006

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

Sheet: 2 of 5

2. Plant: Palo Verde Nuclear Generating Station

Unit: 1

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

Work Order Number 29265

3. Work Performed by: Arizona Public Service Company

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 1361-2

(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	N03028M01-21	N/A	1MRCEA05	N/A	Replacement	YES
Pressurizer Heater	Doosan	N05061-13	N/A	1MRCEA06	N/A	Replacement	YES
Pressurizer Heater	Doosan	N05061-24	N/A	1MRCEA07	N/A	Replacement	YES
Pressurizer Heater	Doosan	N05061-21	N/A	1MRCEA08	N/A	Replacement	YES
Pressurizer Heater	Doosan	N05013-07	N/A	1MRCEA09	N/A	Replacement	YES
Pressurizer Heater	Doosan	N05061-26	N/A	1MRCEA10	N/A	Replacement	YES
Pressurizer Heater	Doosan	N05061-25	N/A	1MRCEA11	N/A	Replacement	YES
Pressurizer Heater	Doosan	N05061-27	N/A	1MRCEA12	N/A	Replacement	YES
Pressurizer Heater	Doosan	N05061-06	N/A	IMRCEA13	N/A	Replacement	YES
Pressurizer Heater	Doosan	N05013-15	N/A	1MRCEA14	N/A	Replacement	YES
Pressurizer Heater	Doosan	N05013-04	N/A	1MRCEA15	N/A	Replacement	YES
Pressurizer Heater	Doosan	N05061-01	N/A	1MRCEA16	N/A	Replacement	YES
Pressurizer Heater	Doosan	N05061-03	N/A	1MRCEA17	N/A	Replacement	YES

As Required by the Provisions of the ASME Code Section XI

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

Date: 09/22/2006

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

Sheet: . 3 of 5

2. Plant: Palo Verde Nuclear Generating Station

Unit: 1

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

Work Order Number 2926509

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 1361-2

(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	N05061-07	N/A	1MRCEA18	N/A	Replacement	YES
Pressurizer Heater	Doosan	N05013-13	N/A	1MRCEB01	N/A	Replacement	- YES
Pressurizer Heater	Doosan	N05013-11	N/A	1MRCEB02	N/A	Replacement	YES
Pressurizer Heater	Doosan	N05013-10	N/A	1MRCEB03	N/A	Replacement	YES
Pressurizer Heater	Doosan	N05061-29	N/A	1MRCEB04	N/A	Replacement	YES
Pressurizer Heater	Doosan	N05013-14	N/A	1MRCEB05	N/A	Replacement	YES
Pressurizer Heater	Doosan	N05061-23	N/A	1MRCEB06	N/A	Replacement	YES
Pressurizer Heater	Doosan	N03028M01-22	N/A	1MRCEB07	N/A	Replacement	YES
Pressurizer Heater	Doosan	N03028M01-20	N/A	1MRCEB08	N/A	Replacement	YES
Pressurizer Heater	Doosan	N05013-12	N/A	1MRCEB09	Ņ/A	Replacement	YES
Pressurizer Heater	Doosan	N03028M01-19	N/A	1MRCEB10	N/A	Replacement	YES
Pressurizer Heater	Doosan	N05013-05	N/A	1MRCEB11	N/A	Replacement	YES
Pressurizer Heater	Doosan	N05061-19	N/A	1MRCEB12	N/A	Replacement	YES

As Required by the Provisions of the ASME Code Section XI

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

Date: 09/22/2006

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

Sheet: 4 of 5

2. Plant: Palo Verde Nuclear Generating Station

Unit: 1

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

Work Order Number 2926509

3. Work Performed by: Arizona Public Service Company

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 1361-2

(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	N05013-08	N/A	1MRCEB13	N/A	Replacement	YES
Pressurizer Heater	Doosan	N05013-01	N/A	1MRCEB14	N/A	Replacement	YES
Pressurizer Heater	Doosan	N05061-09	N/A	1MRCEB15	N/A	Replacement	YES
Pressurizer Heater	Doosan	N05061-04	N/A	1MRCEB16	N/A	Replacement	YES
Pressurizer Heater	Doosan	N05061-10	N/A	1MRCEB17	N/A	Replacement	YES
Pressurizer Heater	N/A Plugged IAW DIWO 2928459	N/A	N/A ,	1MRCEB18	N/A	Replacement	YES
· · · · · · · · · · · · · · · · · · ·	·						
·	·						
						·	

FORM NIS-2 (Back)

Sheet 5 of 5

۶. ـ		
	temarks: Remove 35 & install 35 new Pressurizer Heaters at the following Pressurizer Nozzle/Heater locations	
1	MRCEA01 thru A18 and B01 thru B17. Work to be performed IAW work order 2926509.	
P	re-Pressured Test WO Review – ISI	
		•
	ANII	
	Continues of Compliance	
	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.	
	m - C 1 C 1 C 1 C	
	Type Code Symbol Stamp N/A	
	Certificate of Authorization No. N/A Expiration Date: N/A	
		l
	Signed: Date: 192/06	
	Owner or Owner's Designee, Title	
3.	AND THE PROPERTY OF THE PROPER	
ų,		
	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.	
	/	
	The form Commissions: NR 9/85 "ANI (" Az Z64	
ı	Commissions: National Board, State, Province, and Endorsements	
	National Board, State, Province, and Endorsements	
	Date: 10-2-06	

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

			ss of NPT Certificate Ho	•		
lanufactured for KOREA H	YDRO & NUCLEAR POWER		57, SAMSUNG-D	ONG,KANG	NAM-KU,SEC	DUL, KOREA.
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ocation of installation ULCHIN	NUCLEAR POWER PLANT UNIT		JGU-RI BUK-MYU e and address)	IN ULCHIN-GI	JN KYUNGSAN	IGBUK-DO
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(drawing no.)	(melt. spec, no.)		(tensile strength)	(CI	RM)	(year built)
SME Code, Section III, Division 1:	1992	A94(DEC	2.31:'94)		1	N/A
	(edition)	(adde	nda data)	(4	;iass)	(Code Case n
Shirtenhad in annuadana a sith Canad	Constitution of the same		D-visio-	4174	0-1-	N/A
abricated in accordance with Const.	Spec. (Div. 2 only) N/A		Revision	N/A	,Oate	NA
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emarks: 1. ITEM NAME : f	PRESSURIZER HEATER				·	
2. ()*: DOOSA	N No.					
		···	· · · · · · · · · · · · · · · · · · ·	-		
						
						
orn, thickness (in.) 0.190" Mi	in, design thickness (in.) 0.1	80° Dia. IC	(ft & in.) 0.892	Length	overall (ft & in.)	98.74*
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hen applicable, Certificate Holder D	Rata Reports are attached for each	n item of this r	eport;			
			•			
	Matter	<u> </u>			1	Jational
Part or Appurtenance	National Board No.		Part or Appurte	nance	t i	lational
Part or Appurtenance Serial Number	Board No.				Вс	oard No.
Senal Number.	Board No. In Numerical Order		Part or Appurte		Вс	
**	Board No. In Numerical Order N/A (DN-139)* (Part or Appurte		Вс	oard No.
Serial Number. (1) N03028M01-18	Board No. In Numerical Order N/A (DN-139)* (N/A (DN-140)*) (25) 7 (27)	Part or Appurte		Вс	oard No.
Serial Number. (1) N03028M01-18 (2) N03028M01-19	Board No. In Numerical Order N/A (DN-139)* (N/A (DN-140)* (N/A (DN-141)* (N/A (DN-141)* (N/A (DN-142)* (N) (25) 7 (27)	Part or Appurte		Вс	oard No.
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This form (E00040) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

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

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

	CERTIFICATIO	ON OF DESIGN			
Design specifications certified by	J.Y.LEE (when applicable)	P.E.State _	OREGON	Reg.no.	19235
Design report* certified by	J.Y.PARK (when applicable)	P.E.State _	GEORGIA	Reg.no	20667
	CEDTIEICATE C	F COMPLIANCE			
	GER II FICA / E C	P COMPLIANCE			
We certify that the statements ma	ade in this report are correct	and that this (these)	PART	
conforms to the rules of construction of	the ASME Code, Section III, D	Hvision 1.			
NPT Certificate of Authorization No.	N-2767	· · · · · · · · · · · · · · · · · · ·	Expires	JANUARY, 8.	2006
Date of pf. 14 Name DOOS	SAN HEAVY INDUSTRIES & C	CONT.CO.LTD. Sign	ned 7	5. 90	nt_
			••	· · · · · · · · · · · · · · · · ·	<i>7</i> '
					<u> </u>
	CERTIFICATE OF	SHOP INSPECTION			<u></u>
f, the undersigned, holding a valid				re Vessel Ins	pectors and
I, the undersigned, holding a valid	d commission issued by the I	National Board of Bo	iller and Pressu		pectors and
the State or Province of	d commission issued by the I	National Board of Bo	aller and Pressur lartford Steam Book	rofCT	spectors and
the State or Province of	d commission issued by the to the second sec	National Board of Bo by F this Data Report on	aller and Pressur tartford Steam Boile 8 /19/24	rofCT, and state	e that to the
the State or Province of	d commission issued by the land employed ited these items described in the Certificate Holder has fa	National Board of Boby Fithis Data Report on the street these parts	aller and Pressur lartford Steam Bolic 8 /19/24	rofCT and state es in accorda	e that to the
the State or Province of	d commission issued by the leading and employed ited these items described in the Certificate Holder has fall. Each part listed has been	National Board of Boby this Data Report on obstructed these parts authorized for stame	aller and Pressur lartford Steam Bolle & //9/24 or appurtenance aping on the date	and state as in accorda shown above	e that to the ance with
the State or Province of TLL of CONN. have inspect best of my knowledge and belief, ASME Code, Section III, Division By signing—this certificate, neith	and employed it the tent these items described in the Certificate Holder has fall. Each part listed has been ner the inspector nor his emp	National Board of Boby this Data Report on obside these parts authorized for stam	later and Pressur latford Steam Bolk & //9/24 s or appurtenance aping on the date rranty, expresse	and state as in accorda shown above d or implied,	e that to the ance with ve.
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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

			(name and ad	dress of NPT Certificate Ho	(nebk		
Manufact	ured for KOREA HY	ORO & NUCLEAR POW	ER CO., LTD.	167,SAMSUNG-D	ONG,KANG	NAM-KU,SEOI	UL,KOREA
			ne emen)	d address of purchaser)			
ocation	of installation ULCHIN N	IUCLEAR POWER PLANT L	INIT 5, 6 / 84-4	BUGU-RI BUK-MYL	IN ULCHIN-GL	IN KYUNGSAN	GBUK-DO
			(1	ame and address)			
уре:	D-N05013-22185-M01 R	ev.1 SA213-TP316/SA	479-TP316	75 ks i	N.	/A	2006
-	(drawing no.)	(matt. spec.)		(tensile strength)	(CF		(year built)
SME Co	de,Section III,Division 1:	1992 (edition)	A94(DI	EC.31.'94) Menda data)		1 35 -	N/A
4.		. (edition)	(a	Roenda data)	(d	ass)	(Code Case
abricated	I in accordance with Const. S	ipec. (Div. 2 only)	N/A	Revision	N/A	Date	N/A
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emarks :	1, ITEM NAME : PI	RESSURIZER HEATER			 		
	2. ()* : DOOSAN	l No.					•
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men app	ilicacie, cerunicale moludi. Da	na reports are attached for e	iach nem oi me	report.			. •
		National '			·····	Na	tional
F	art or Appurtenance	National Board No.		Part or Appurter			tional rd No.
P	art or Appurtenance Serial Number	Board No.		Part or Appurter Serial Numb		Boa	rd No.
(1)		1	(26)	Serial Numb		Boa	
	Serial Number	Board No. in Numerical Order	(26)	Serial Numb	er .	Boa	rd No.
(1) (2) (3)	Serial Number N05013-01 N05013-02 N05013-03	Board No. in Numerical Order N/A (DN-2705)* N/A (DN-2706)* N/A (DN-2707)*		Serial Numb	67	Boa	rd No.
(1) (2) (3) (4)	Serial Number N05013-01 N05013-02 N05013-03 N05013-04	Board No. in Numerical Order N/A (DN-2705)* N/A (DN-2706)* N/A (DN-2707)* N/A (DN-2708)*	(27)	Serial Numb	er	Boa	rd No.
(1) (2) (3) (4) (5)	Serial Number N05013-01 N05013-02 N05013-03 N05013-04 N05013-05	Board No. in Numerical Order N/A (DN-2705)* N/A (DN-2706)* N/A (DN-2707)* N/A (DN-2708)* N/A (DN-2709)*	(27) (28) (29) (30)	Serial Numb	er	Boa	rd No.
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(1)	Serial Number N05013-01 N05013-02 N05013-03 N05013-04 N05013-05 N05013-06 N05013-07	Board No. in Numerical Order N/A (DN-2705)* N/A (DN-2706)* N/A (DN-2707)* N/A (DN-2708)* N/A (DN-2709)* N/A (DN-2710)* N/A (DN-2711)*	(27) (28) (29) (30) (31) (32)	Serial Numb	er	Boa In Nume	rd No.
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(1)	Serial Number N05013-01 N05013-02 N05013-03 N05013-04 N05013-05 N05013-06 N05013-07 N05013-08 N05013-09	Board No. in Numerical Order N/A (DN-2705)* N/A (DN-2706)* N/A (DN-2706)* N/A (DN-2708)* N/A (DN-2709)* N/A (DN-2710)* N/A (DN-2711)* N/A (DN-27112)* N/A (DN-2713)*	(27) (28) (29) (30) (31) (32) (33) (34)	Serial Numb	er	Boa In Nume	rd No.
(1) (2) (3) (4) (5) (6) (7) (8) (9) (10)	Serial Number N05013-01 N05013-02 N05013-03 N05013-04 N05013-05 N05013-06 N05013-07 N05013-08 N05013-09 N05013-10	Board No. in Numerical Order N/A (DN-2705)* N/A (DN-2706)* N/A (DN-2707)* N/A (DN-2708)* N/A (DN-2708)* N/A (DN-2710)* N/A (DN-2711)* N/A (DN-2712)* N/A (DN-2713)* N/A (DN-2714)*	(27 (28) (29) (30) (31) (32) (33) (34) (35)	Serial Numb	er	Boa In Nume	rd No.
(1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (11)	Serial Number N05013-01 N05013-02 N05013-03 N05013-04 N05013-05 N05013-06 N05013-07 N05013-08 N05013-09 N05013-10 N05013-11	Board No. In Numerical Order N/A (DN-2705)* N/A (DN-2706)* N/A (DN-2707)* N/A (DN-2708)* N/A (DN-2709)* N/A (DN-2710)* N/A (DN-2711)* N/A (DN-2712)* N/A (DN-2713)* N/A (DN-2713)* N/A (DN-2713)* N/A (DN-2713)* N/A (DN-2713)*	(27) (28) (29) (30) (31) (32) (33) (34) (35) (36)	Serial Numb	er	Boa In Nume	rd No.
(1)	Serial Number N05013-01 N05013-02 N05013-03 N05013-04 N05013-05 N05013-06 N05013-07 N05013-08 N05013-09 N05013-10 N05013-11 N05013-12	Board No. In Numerical Order N/A (DN-2705)* N/A (DN-2706)* N/A (DN-2706)* N/A (DN-270707)* N/A (DN-2708)* N/A (DN-2710)* N/A (DN-2711)* N/A (DN-2711)* N/A (DN-2713)* N/A (DN-2713)* N/A (DN-2714)* N/A (DN-2716)*	(27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37)	Serial Numb	er	Boa In Nume	rd No.
(1)	Serial Number N05013-01 N05013-02 N05013-03 N05013-04 N05013-05 N05013-06 N05013-07 N05013-08 N05013-09 N05013-10 N05013-11 N05013-12 N05013-13	Board No. in Numerical Order N/A (DN-2705)* N/A (DN-2705)* N/A (DN-2706)* N/A (DN-2707)* N/A (DN-2707)* N/A (DN-2709)* N/A (DN-2710)* N/A (DN-2711)* N/A (DN-2712)* N/A (DN-2713)* N/A (DN-2715)* N/A (DN-2715)* N/A (DN-2716)* N/A (DN-2716)* N/A (DN-2717)*	(27 (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38)	Serial Numb	er	Boa In Nume	rd No.
(1) (2) (3) (4) (5) (6) (7) (8) (9) (11) (12) (13) (13) (14) (14)	Serial Number N05013-01 N05013-02 N05013-03 N05013-04 N05013-05 N05013-06 N05013-07 N05013-08 N05013-09 N05013-10 N05013-11 N05013-12	Board No. in Numerical Order N/A (DN-2705)* N/A (DN-2706)* N/A (DN-2706)* N/A (DN-2707)* N/A (DN-2708)* N/A (DN-2710)* N/A (DN-2710)* N/A (DN-2711)* N/A (DN-2712)* N/A (DN-2713)* N/A (DN-2714)* N/A (DN-2716)* N/A (DN-2716)* N/A (DN-2716)* N/A (DN-2717)* N/A (DN-2717)* N/A (DN-2717)* N/A (DN-2718)*	(27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39)	Serial Numb	er	Boa In Nume	rd No.
(1)	Serial Number N05013-01 N05013-02 N05013-03 N05013-04 N05013-05 N05013-06 N05013-07 N05013-08 N05013-09 N05013-10 N05013-11 N05013-12 N05013-13 N05013-14	Board No. in Numerical Order N/A (DN-2705)* N/A (DN-2705)* N/A (DN-2706)* N/A (DN-2707)* N/A (DN-2707)* N/A (DN-2709)* N/A (DN-2710)* N/A (DN-2711)* N/A (DN-2712)* N/A (DN-2713)* N/A (DN-2715)* N/A (DN-2715)* N/A (DN-2716)* N/A (DN-2716)* N/A (DN-2717)*	(27 (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38)	Serial Numb	er	Boa In Nume	rd No.
(1) (2) (3) (4) (6) (6) (7) (8) (9) (11) (12) (13) (14) (15) (15) (15) (15) (15) (15) (15) (15	Serial Number N05013-01 N05013-02 N05013-03 N05013-04 N05013-05 N05013-06 N05013-07 N05013-08 N05013-09 N05013-10 N05013-11 N05013-12 N05013-13 N05013-14 N05013-15	Board No. in Numerical Order N/A (DN-2705)* N/A (DN-2706)* N/A (DN-2706)* N/A (DN-2707)* N/A (DN-2708)* N/A (DN-2710)* N/A (DN-2710)* N/A (DN-2711)* N/A (DN-2711)* N/A (DN-2713)* N/A (DN-2714)* N/A (DN-2715)* N/A (DN-2716)* N/A (DN-2717)* N/A (DN-2717)* N/A (DN-2717)* N/A (DN-2717)* N/A (DN-2717)* N/A (DN-2718)* N/A (DN-2719)*	(27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40)	Serial Numb	er	Boa In Nume	rd No.
(1) (2) (3) (4) (5) (6) (7) (7) (7) (10) (11) (12) (13) (13) (15) (16) (16) (16) (17) (17) (17) (17) (17) (17) (17) (17	Serial Number N05013-01 N05013-02 N05013-03 N05013-04 N05013-05 N05013-06 N05013-07 N05013-08 N05013-09 N05013-10 N05013-11 N05013-12 N05013-13 N05013-13 N05013-14 N05013-15 N05013-16	Board No. in Numerical Order N/A (DN-2705)* N/A (DN-2706)* N/A (DN-2706)* N/A (DN-2706)* N/A (DN-2708)* N/A (DN-2710)* N/A (DN-2710)* N/A (DN-2711)* N/A (DN-2711)* N/A (DN-2713)* N/A (DN-2714)* N/A (DN-2715)* N/A (DN-2715)* N/A (DN-2716)* N/A (DN-2717)* N/A (DN-2717)* N/A (DN-2718)* N/A (DN-2718)* N/A (DN-2719)* N/A (DN-2719)* N/A (DN-2720)*	(27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40)	Serial Numb	er	Boa In Nume	rd No.
(1) (2) (3) (4) (5) (6) (7) (7) (9) (11) (12) (13) (14) (15) (16) (17) (17)	Serial Number N05013-01 N05013-02 N05013-03 N05013-04 N05013-05 N05013-06 N05013-07 N05013-08 N05013-09 N05013-10 N05013-11 N05013-12 N05013-13 N05013-14 N05013-15 N05013-16 N05013-17	Board No. In Numerical Order N/A (DN-2705)* N/A (DN-2706)* N/A (DN-2706)* N/A (DN-27070)* N/A (DN-2709)* N/A (DN-2710)* N/A (DN-2711)* N/A (DN-2711)* N/A (DN-2713)* N/A (DN-2713)* N/A (DN-2715)* N/A (DN-2716)* N/A (DN-2716)* N/A (DN-2717)* N/A (DN-2717)* N/A (DN-2719)* N/A (DN-2719)* N/A (DN-2719)* N/A (DN-2719)* N/A (DN-2720)* N/A (DN-2721)*	(27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41)	Serial Numb	er	Boa In Nume	rd No.
(1) (2) (3) (4) (5) (6) (7) (7) (11) (12) (13) (14) (15) (16) (17) (18) (18)	Serial Number N05013-01 N05013-02 N05013-03 N05013-04 N05013-05 N05013-06 N05013-07 N05013-08 N05013-10 N05013-11 N05013-12 N05013-13 N05013-14 N05013-15 N05013-16 N05013-17 N05013-17	Board No. In Numerical Order N/A (DN-2705)* N/A (DN-2706)* N/A (DN-2706)* N/A (DN-27070)* N/A (DN-2709)* N/A (DN-2710)* N/A (DN-2711)* N/A (DN-2711)* N/A (DN-2713)* N/A (DN-2713)* N/A (DN-2715)* N/A (DN-2716)* N/A (DN-2716)* N/A (DN-2717)* N/A (DN-2717)* N/A (DN-2719)* N/A (DN-2719)* N/A (DN-2719)* N/A (DN-2719)* N/A (DN-2720)* N/A (DN-2721)*	(27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43)	Serial Numb	Gr	Boa In Nume	rd No.
(1) (2) (3) (4) (5) (6) (7) (7) (11) (12) (13) (14) (15) (15) (17) (18) (19) (19) (19) (19) (19) (19) (19) (19	Serial Number N05013-01 N05013-02 N05013-03 N05013-04 N05013-06 N05013-07 N05013-07 N05013-09 N05013-10 N05013-11 N05013-12 N05013-13 N05013-14 N05013-15 N05013-16 N05013-17 N05013-17	Board No. In Numerical Order N/A (DN-2705)* N/A (DN-2706)* N/A (DN-2706)* N/A (DN-27070)* N/A (DN-2709)* N/A (DN-2710)* N/A (DN-2711)* N/A (DN-2711)* N/A (DN-2713)* N/A (DN-2713)* N/A (DN-2715)* N/A (DN-2716)* N/A (DN-2716)* N/A (DN-2717)* N/A (DN-2717)* N/A (DN-2719)* N/A (DN-2719)* N/A (DN-2719)* N/A (DN-2719)* N/A (DN-2720)* N/A (DN-2721)*	(27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (42) (43)	Serial Numb	Gr	Boa In Nume	rd No.
(1) (2) (3) (4) (5) (6) (6) (7) (8) (9) (11) (11) (13) (15) (16) (17) (18) (17) (18) (19) (19) (20)	Serial Number N05013-01 N05013-02 N05013-03 N05013-04 N05013-05 N05013-06 N05013-07 N05013-08 N05013-10 N05013-11 N05013-12 N05013-13 N05013-14 N05013-15 N05013-16 N05013-17 N05013-17	Board No. In Numerical Order N/A (DN-2705)* N/A (DN-2706)* N/A (DN-2706)* N/A (DN-27070)* N/A (DN-2709)* N/A (DN-2710)* N/A (DN-2711)* N/A (DN-2711)* N/A (DN-2713)* N/A (DN-2713)* N/A (DN-2715)* N/A (DN-2716)* N/A (DN-2716)* N/A (DN-2717)* N/A (DN-2717)* N/A (DN-2719)* N/A (DN-2719)* N/A (DN-2719)* N/A (DN-2719)* N/A (DN-2720)* N/A (DN-2721)*	(27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (40) (41) (42) (43) (44) (45)	Serial Numb	GF	Boa In Nume	rd No.
(1) (2) (3) (4) (6) (6) (7) (8) (9) (10) (11) (12) (13) (15) (16) (17) (18) (19) (19) (19) (19) (19) (19) (19) (19	Serial Number N05013-01 N05013-02 N05013-03 N05013-04 N05013-05 N05013-06 N05013-07 N05013-08 N05013-09 N05013-10 N05013-11 N05013-12 N05013-13 N05013-14 N05013-15 N05013-16 N05013-17 N05013-17	Board No. In Numerical Order N/A (DN-2705)* N/A (DN-2706)* N/A (DN-2706)* N/A (DN-27070)* N/A (DN-2709)* N/A (DN-2710)* N/A (DN-2711)* N/A (DN-2711)* N/A (DN-2713)* N/A (DN-2713)* N/A (DN-2715)* N/A (DN-2716)* N/A (DN-2716)* N/A (DN-2717)* N/A (DN-2717)* N/A (DN-2719)* N/A (DN-2719)* N/A (DN-2719)* N/A (DN-2719)* N/A (DN-2720)* N/A (DN-2721)*	(27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (40) (41) (42) (43) (44) (44) (45) (46)	Serial Numb	Gr	Boa In Nume	rd No.
(1) (2) (3) (4) (5) (6) (6) (7) (7) (7) (11) (12) (13) (15) (16) (17) (18) (19) (19) (19) (19) (19) (19) (19) (19	Serial Number N05013-01 N05013-02 N05013-03 N05013-04 N05013-06 N05013-07 N05013-07 N05013-09 N05013-10 N05013-11 N05013-12 N05013-13 N05013-14 N05013-15 N05013-16 N05013-17 N05013-17	Board No. In Numerical Order N/A (DN-2705)* N/A (DN-2706)* N/A (DN-2706)* N/A (DN-27070)* N/A (DN-2709)* N/A (DN-2710)* N/A (DN-2711)* N/A (DN-2711)* N/A (DN-2713)* N/A (DN-2713)* N/A (DN-2715)* N/A (DN-2716)* N/A (DN-2716)* N/A (DN-2717)* N/A (DN-2717)* N/A (DN-2719)* N/A (DN-2719)* N/A (DN-2719)* N/A (DN-2719)* N/A (DN-2720)* N/A (DN-2721)*	(27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46) (47)	Serial Numb	GF	Boa In Nume	rd No.

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

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

		Certificate Holder's Seri	al Nos. No501:	3-01 through N05013-1
	CERTIFICA	ATION OF DESIGN		
Design specifications certified by	J.Y.LEE (when applicable)	P.E.State	OREGON ¹	Reg.no, 19235
Design report* certified by	J.Y.PARK (when applicable)	P.E.State	GEORGIA	Reg.no. 20667
	CERTIFICAT	E OF COMPLIANCE		
We certify that the statements made	e in this report are corre	ect and that this (these)		PART
conforms to the rules of construction of th	e ASME Code, Section 11	l, Division 1.		
NPT Certificate of Authorization No.	N-276	7	Expires .	JANUARY, 8, 2009
Date 6/17/36 Name DOOSA	N HEAVY INDUSTRIES (NPT Certificate Holder)	& CONT.CO.LTD. Sign		S - Gong orized representative)
	CERTIFICATE O	F SHOP INSPECTION		
I, the undersigned, holding a valid	•			
the State or Province of Mich	and employe	d by Ha	artford Steam Boile	rofCT
of CONN. have inspected	I these items described	In this Data Report on	6.20-06	, and state that to the
best of my knowledge and belief, th	e Certificate Holder has	fabricated these parts	or appurtenance	es in accordance with
ASME Code, Section III, Division 1	. Each part listed has be	en authorized for stamp	ing on the date	shown above.
By signing—this certificate, neither	the inspector nor his er	nployer makes any war	anty, expressed	d or implied, concerning
the equipment described in this Da	a Report. Furthermore,	neither the inspector no	r his employer :	shall be liable in any
manner for any personal injury or p	toperty damage or a loss		· ·	_
Date V LOVE Signed	(Authorized Inspector)	Commissions		ents) and state or provised no.

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

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

Pg. 1 of 2

		(nan	CO.,LTD. 555,GUYGOK and address of NPT Certificate		
lanufa	actured for KOREA HY	DRO & NUCLEAR POWER CO.	LTD. 167,SAMSUNG	-DONG KANGNA	M-KU,SEOUL,KOREA
		4. [(name and address of purchaser)		
ocatio	on of installation YONGGWAN	IG NUCLEAR POWER PLANT	JNIT 3;4 / 517 KYEMA	-RI HONGNONG-	EUP YONGGWANG-
			(name and address)		
уре:	D-N05061-22185-M01 Rev	.0 SA213 TP316/SA479 TP316	75 ksi	N/A	2006
, , ,	(drawing no.)	(mat'l. spec. no.)	(tensile strength)	(CRN)	(year built)
			100/550 04 100)		- 11a
SME (Code,Section III,Division 1:	1992 (edition)	A93(DEC.31.'93) (addenda data)	(dass)	N/A (Code Case
		· (edition)	(addenda data)	(dass)	(Code Case
brica	ted in accordance with Const. Sp	ec. (Div. 2 only) N/A	Revision	N/A	Date N/A
		(no.)		-	· ·
	2.4 3.52	·			ř·
emark	s: 1. ITEM NAME : PR	ESSURIZER HEATER			·
	2. ()* : DOOSAN	No.			
	. 3 ** EYTERNAL TI	EST FINAL ACCEPTANCE TES	TING IS SYSTEM PRE	SSLIDE TEST	
	J. LATERIAL II	ESTITIVAL ACCEPTANCE TES	THING IS STOTEWIT IN	SOURL ILGI	·
			D: ID (0.0.) 0.00		11 (5.0.1.)
om. th	ickness (in.) 0.190" Min.	design thickness (in.) 0.180"	Dia. ID (ft & in.)0.89	Length over	all (ft & in.) 98.74*
				•	1 .
hen a	pplicable, Certificate Holder' Dat	a Reports are attached for each iten	of this report:		,
		National			National
	Part or Appurtenance	· ·	 Part or Appurt 	enance	
	Part or Appurtenance Serial Number	Board No.	Part or Appurt Serial Num		Board No.
(d.)	Serial Number	Board No. In Numerical Order	Serial Num	nber	
(1) _	Serial Number N05061-01	Board No. In Numerical Order N/A (DN-2723)*	Serial Num	nber	Board No.
(2)	Serial Number N05061-01 N05061-03	Board No. In Numerical Order N/A (DN-2723)* N/A (DN-2725)*	Serial Num (26) (27)	nber	Board No.
(2) _	Serial Number N05061-01 N05061-03 N05061-04	Board No. In Numerical Order N/A (DN-2723)* N/A (DN-2725)* N/A (DN-2726)*	Serial Num (26) (27) (28)	nber	Board No.
(2) _ (3) _ (4) _	Serial Number N05061-01 N05061-03 N05061-04 N05061-06	Board No. In Numerical Order N/A (DN-2723)* N/A (DN-2725)* N/A (DN-2726)* N/A (DN-2728)*	Serial Num (26) (27) (28) (29)	nber	Board No.
(2) _ (3) _ (4) _ (5) _	Serial Number N05061-01 N05061-03 N05061-04 N05061-06 N05061-07	Board No. In Numerical Order N/A (DN-2723)* N/A (DN-2725)* N/A (DN-2726)* N/A (DN-2728)* N/A (DN-2729)*	Serial Num (26) (27) (28) (29) (30)	nber	Board No.
(2) _ (3) _ (4) _ (5) _	Serial Number N05061-01 N05061-03 N05061-04 N05061-06 N05061-07 N05061-09	Board No. In Numerical Order N/A (DN-2723)* N/A (DN-2725)* N/A (DN-2726)* N/A (DN-2728)* N/A (DN-2729)* N/A (DN-2731)*	Serial Num (26) (27) (28) (29) (30) (31)	nber	Board No.
(2) _ (3) _ (4) _ (5) _ (6) _ (7) _	Serial Number N05061-01 N05061-03 N05061-04 N05061-06 N05061-07 N05061-09 N05061-10	Board No. In Numerical Order N/A (DN-2723)* N/A (DN-2725)* N/A (DN-2726)* N/A (DN-2728)* N/A (DN-2729)* N/A (DN-2731)* N/A (DN-2732)*	(26) (27) (28) (29) (30) (31) (32)	nber	Board No.
(2) _ (3) _ (4) _ (5) _ (6) _ (7) _ (8) _	Serial Number N05061-01 N05061-03 N05061-04 N05061-06 N05061-07 N05061-09 N05061-10 N05061-13	Board No. In Numerical Order N/A (DN-2723)* N/A (DN-2725)* N/A (DN-2726)* N/A (DN-2728)* N/A (DN-2729)* N/A (DN-2731)* N/A (DN-2732)* N/A (DN-2732)* N/A (DN-2735)*	(26) (27) (28) (29) (30) (31) (32) (33)	nber	Board No.
(2) _ (3) _ (4) _ (5) _ (6) _ (7) _ (8) _ (9) _ (9)	Serial Number N05061-01 N05061-03 N05061-04 N05061-06 N05061-07 N05061-09 N05061-10	Board No. In Numerical Order N/A (DN-2723)* N/A (DN-2725)* N/A (DN-2726)* N/A (DN-2728)* N/A (DN-2728)* N/A (DN-2729)* N/A (DN-2731)* N/A (DN-2732)* N/A (DN-2735)* N/A (DN-2741)*	Serial Num (26) (27) (28) (29) (30) (31) (32) (33) (34)	nber	Board No.
(2) — (3) — (4) — (5) — (6) — (7) — (8) — (9) —	Serial Number N05061-01 N05061-03 N05061-04 N05061-06 N05061-07 N05061-09 N05061-10 N05061-13 N05061-19 N05061-21	Board No. In Numerical Order N/A (DN-2723)* N/A (DN-2725)* N/A (DN-2726)* N/A (DN-2728)* N/A (DN-2728)* N/A (DN-2729)* N/A (DN-2731)* N/A (DN-2732)* N/A (DN-2735)* N/A (DN-2741)* N/A (DN-2743)*	Serial Num (26) (27) (28) (29) (30) (31) (32) (33) (34) (35)	nber	Board No.
2)	Serial Number N05061-01 N05061-03 N05061-04 N05061-06 N05061-07 N05061-09 N05061-10 N05061-13 N05061-19 N05061-21 N05061-23	Board No. In Numerical Order N/A (DN-2723)* N/A (DN-2725)* N/A (DN-2726)* N/A (DN-2728)* N/A (DN-2729)* N/A (DN-2731)* N/A (DN-2732)* N/A (DN-2735)* N/A (DN-2741)* N/A (DN-2743)* N/A (DN-2743)* N/A (DN-2745)*	Serial Num (26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36)	nber	Board No.
(2) _ (3) _ (4) _ (5) _ (5) _ (6) _ (7) _ (8) _ (10) _ (10) _ (11) _ (12) _ (12) _ (12)	Serial Number N05061-01 N05061-03 N05061-04 N05061-06 N05061-07 N05061-09 N05061-10 N05061-13 N05061-19 N05061-21 N05061-23 N05061-24	Board No. In Numerical Order N/A (DN-2723)* N/A (DN-2725)* N/A (DN-2726)* N/A (DN-2728)* N/A (DN-2729)* N/A (DN-2731)* N/A (DN-2732)* N/A (DN-2735)* N/A (DN-2741)* N/A (DN-2743)* N/A (DN-2743)* N/A (DN-2745)* N/A (DN-2746)*	Serial Num (26) (27) (28) (29) (30) (31) (32) (33) (34) (35)	nber	Board No.
2) _ 3) _ 4) _ 5) _ 5 5) _ 7) _ 8) _ 7 8) _ 9) _ 10) _ 7 1) _ 2) _ 3)	Serial Number N05061-01 N05061-03 N05061-04 N05061-06 N05061-07 N05061-09 N05061-10 N05061-13 N05061-19 N05061-21 N05061-23 N05061-24 N05061-25	Board No. In Numerical Order N/A (DN-2723)* N/A (DN-2725)* N/A (DN-2726)* N/A (DN-2728)* N/A (DN-2729)* N/A (DN-2731)* N/A (DN-2731)* N/A (DN-2732)* N/A (DN-2735)* N/A (DN-2741)* N/A (DN-2743)* N/A (DN-2745)* N/A (DN-2746)* N/A (DN-2747)*	Serial Num (26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38)	nber	Board No. In Numerical Order
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Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 ½ X 11, (2) information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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

Certificate Holder's Serial Nos. N05061-01,03,04,06.07,09.10,13,19.21.23 through N05061-27,29 **CERTIFICATION OF DESIGN** Design specifications certified by DONALD.R.WADE P.E.State PENNSYLVANIA Reg.no. PE-008129-E FRANK.P.HIL Design report* certified by **TENNESSEE** (when applicable) 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 Son 17 200 Name DOOSAN HEAVY INDUSTRIES & CONT.CO.LTD. CERTIFICATE OF SHOP INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of MICHIGAN and employed by Hartford Steam Boiler of CT have inspected these items described in this Data Report on $9-27\cdot266$ and state that to the 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 (Authorized Inspector) [Nat'l.Bd. (incl.endorsements) and state or prov.and no.]

1. Component ID 1MRCEX02 2 Item Description: Pressurizer 3. N-5 Data Package Number: 1RC01-4 4. W.O. Number: 2928459 5. Original Construction Code Edition: 1971 Edition, Winter 1973 Addenda	
 Item Description: Pressurizer N-5 Data Package Number: 1RC01-4 W.O. Number: 2928459 Original Construction Code Edition: 1971 Edition, Winter 1973 Addenda 	
3. N-5 Data Package Number:1RC01-44. W.O. Number:29284595. Original Construction Code Edition:1971 Edition, Winter 1973 Addenda	
5. Original Construction Code Edition: 1971 Edition, Winter 1973 Addenda	
6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda	
7. Work Description: Install a plug in the Pressurizer at 1MRCEB18 location per ENG-DF01 2928426	
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:	,
Electrical portion of the heater failed. No failure of the ASME pressure boundary	
10. Repair/Replacement Work Organization: Arizona Public Service	
 Replacement Items Construction or reconciled Code/Edition: Sec. III Cl 1, 1971 Edition 1973 Winter Addenda 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	,
$\frac{1}{2}$	
Initial \mathcal{V}/\mathcal{A} Date If required, include a step in the W.O. to perform Preservice Inspection	
15. ASME Section XI Pressure Test Required: 4-90-00 YES NO	
Initial Jo Date 9-30-00 If required, include a step in the W.O. for ISI & ANII Inspection.	•.
46 7 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	
Initial Date Date S 16. Include a step in the W.O. to complete NIS-2 Form prior to releasing the component for permanent service or power operation.	
Initial J. Date 9-30-06 17. Include a step in the W.O. to record below all applicable numbers for repa	red or
replacement items.	
Item ID Part No. Serial No. Heat No. MR/PO/We	O No.
Shop Fabricated Heater APN 00076370 N/A 417310 MR 1147301	
Plug	
	3 3 3
18. Planner J. Printed Name: JAMES I. DAVIS	
18. Planner Signature Date Printed Name: James I. Davis	
18. Planner Signature Date 19. ISI Printed Name: F.L. Browning Log Entry K	
18. Planner Signature 19. ISI Printed Name: James J. Davis Printed Name: P.1. Browning Log Entry K Date	e a
18. Planner Signature Date 19. ISI Printed Name: F.L. Browning Log Entry K	

As Required by the Provisions of the ASME Code Section XI

1. Owner: Arizo	ona Public Service (Company, et. al.		:	Date: 10/	2/06				
<u>P. O.</u>	Box 53999, Phoeni	x Arizona 85072-20	034	,	Sheet:	<u>1</u> of <u>2</u>	· .			
2. Plant: Palo	Verde Nuclear Gen	erating Station			Unit: <u>1</u>					
5801 South Wintersburg Road., Tonopah, Arizona 85354-7529						Work Order Number 2928459				
3. Work Perform	ed by: Arizona Public	<u>Service</u>			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: Reactor (Coolant								
5. (a) Applicable	Construction Code 2	ASME Section III NB	, Class 1	1 <u>971</u> Editio	on, Winter 1	<u>973</u> Add	enda, <u>1361-2</u> Cod	de Case		
(b) Applicable	Edition of Section Y	I Utilized for Repair	s or Replace	ments: <u>19</u>	92 Edition	, 1992 A	ddenda			
6. Identification of	of Components Repai	red or Replaced and I	Replacement	Compone	nts			/		
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.		ther fication	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)		
Pressurizer	Combustion Engineering	78373	22234	1MRCE	X02	1978	Repaired	YES		
1 .										
· .		·								
7. Description of	Work: <u>Install a Pre</u>	ssurizer Sleeve plu	g per DFW	O 292842	2 <u>6</u>	n.B.	•			
8. Test Conducted	l: Hydrostatic	Pneumatic [, Nomi	nal Operai	ting Pressure	9.9.0	Exempt 🔀			
N-	416-2	Pressure psi	i		Test Ten	nperature	°F	· -		
inches, (2) infe		orm of lists, sketche thru 6 on this repo	rt is include							
			I OI III.							

	FORM NaS-2 (Back)
9.	Remarks: Work Order 2928459 fabricated and installed a sleeve plug in the Pressurizer at heater 1MCEB18 per the requirements of ENG-DF01 2928426.
Pı	re-Pressured Test WO Review – ISI
	Certificate of Compliance
	We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.
	Type Code Symbol Stamp N/A
	Certificate of Authorization No. N/A Expiration Date: N/A Signed: 15/EN/ Date: 10/2/06
A-760-	
	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 9-30-06 to 9-30-06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
	By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
	Commissions: NB 9685 "N" "I" AZ264 Inspectors Signature National Board, State, Province, and Endorsements
	Date:

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

•	ASME SECTION 2	XI – REPAIR / REPI	LACEMENT	
			Pag	eof
1. Component ID <u>1PSIBL1</u>				
2 Item Description: Safety	···-·	4. W.O. Number:	2022470	
3. N-5 Data Package Number			<u> 2932419</u>	
5. Original Construction Code				
6. Original Installation Code7. Work Description: Rep	ace a section of pipe 1PSIB	inter 1975 Addenda	traces of volue 1 ICIDIIX	10667 in accordance
	instructions provided in wo		tream of valve 1351bo	70007 in accordance
8. 🔲 ISI Flaw		NDE Method of Flaw De	etection:	
		Report Number:		
9. Evaluation of the suitabili	ty of this work as per the rec	- · · ,		
The pipe is being replace	ed due to leaking hole most l	ikely caused by cavitation	. CRDR #2932504 will	provide additional
evaluation once complete				
	•			
#			**	
<u>luation</u>				
10. Repair/Replacement Wo	<u> </u>		1000 TV	
11. Replacement Items Cons				
12. Repair/Replacement Act	· ·		Edition 19/5 Winter Ad	idenda /
13. ASME Section XI Code/				
14. Preservice Inspection Re	quired:	☐ YES ⊠ NO	:	
Initial M Date 16	//3/66 If required,	include a step in the W.O.	to perform Preservice 1	Inspection
15. ASME Section XI Pressu	•	⊠ YES □ NO		1
111	76 . 1			iam :
Initial Date 10	11.3/06 It required,	include a step in the W.O.	10f 18f & ANII Inspect	ion.
Initial Date 18	. / . ⁻ 77 /A /	a step in the W.O. to veri	•	completed by
	151 & 7	ANII prior to approving IN	P525 Status.	
Initial Date &		a step in the W.O. to reco	rd below all applicable	numbers for
Initial Date	replace	ment items.		
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
1PSIBL112	APN 43510414	N/A	474900	1152114
			 	
·				
			-	
11 111	7			
18. Planner Sheet 3	u 10/13/1	Printed Name:	HERBERT L.C	REEN
Signature	Da	ate .	-	
10 101 L. ALT.	10/13,	/n/. Duint 1N	GOEN ONTES	1000
19. ISI	0/13	rinted Name:	FRED POTEET	Log Entry 70°
11/-			04 1	
20. ANII Typhore	6-3		RG HOGSTROM	
Signature	Da	ite		

6.

	ASME SECTION X	KI – REPAIR / REPL	ACEMENT	
			Pag	ge_2of_2
1. Component ID 1-SI	-112-H-00A			
2 Item Description: S	afety Injection (SI) pipe support.			
3. N-5 Data Package Nu	ımber: <u>1SI09-3</u>	4. W.O. Number:	<u> 2932479</u>	·· .
	n Code Edition: 1974 Edition, V			•
ŭ	Code Edition: 1974 Edition, Wi			
7. Work Description:	Remove and install Dummy pipe line 1PSIBL112, spool N00D in			
8. 🗌 ISI Flaw	mio 11 ofbb112, opoor1100b iii	NDE Method of Flaw De		
<u> </u>		Report Number:		
9. Evaluation of the sui	tability of this work as per the req	uirements of IWA - 4150:		
Rewelding of this v	veld is due to replacement of the S	I pipe section leak most li	kely due to cavitation.	
,				
e E				
IO Descia/Descio	A Wards Outside State And Address T	hatalia Camalaa		
-	t Work Organization: <u>Arizona F</u> Construction or reconciled Code/		74 Edition 1975 Winte	r Addenda
-	t Activity Construction Code/Edit			
13. ASME Section XI (*	1		
14. Preservice Inspection	on Required:	₹ YES X NO	PER ISI PROG	RAM OWNER
	To the state of th		PER IST PROG	T
1.0	, , , · · · · · · · · · · · · · · ·	include a step in the W.O. YES NO		Inspection
15. ASME Section XI I	-			4 :
	e 20/13/05	include a step in the W.O.	for 151 & AINII Inspec	tion.
Initial M Dat		a step in the W.O. to veri		n completed by
Ald		a step in the W.O. to reco		numbers for
Initial Dat	e /0//3/06 replace	ment items.		
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
		· · · · · · · · · · · · · · · · · · ·		
	-			
		<u> </u>	·	
18. Planner	Jul 10/18	ha Printed Name:	HERBERT L.	LOFE
Signatur	10/13 Te 10/13	ate Trinica Ivanic.	HAR SON SIN	
4	14 male	100	East Passes	- 10
19. 1S1 Signatur	re /0//3/	106 Printed Name:	1100 TOTAL	Log Entry
-, /			0, 1	£
20. ANII Signatur		Printed Name:	K.C. Hocestro	
Signatur	e Da	IC	antan negarita sun sun sun dia kada ping sensenggan tahun sun menganggan digungkan penganggan se	nakonskilitete inna et ekstering i selle ha haagseleend is selletelijke sellet

As Required by the Provisions of the ASME Code Section XI

		المساور والمستقط المستوالي والمستوالي والمستوالي والمستوالي والمستوالي والمستوالي والمستوالي والمستوالي والمستوالي	101 11 1 1 1 1 1		m (1)			
1. Owner: <u>Arizona</u>	Public Service Co	ompany, et. al.			Date:	10/15/200)6	
<u>P. O. Bo</u>	x 53999, Phoenix	<u> Arizona 85072-20</u>	<u>)34</u>		Sheet:	<u>1</u> of	<u>2</u>	
2. Plant: Palo Ver	rde Nuclear Genera	ating Station			Unit:	1		_
5801 Son	uth Wintersburg Ro	oad., Tonopah, A	rizona 85354	<u>-7529</u>	Work	Order Nun	nber 2932479	
3. Work Performed	3. Work Performed by: <u>Arizona Public Service Co.</u> Type of Code Stamp <u>None</u>							
	5801 S. Wintersb	ourg Rd., Tonopah,	Arizona, 85354	<u>4-7529</u>	Autho	rization No). <u>N/A</u>	
×.	· •			•	Expira	ition Date	<u>N/A</u>	
4. Identification of S	System: Safety Injec	ction						
5. (a) Applicable Co	onstruction Code AS	ME Section III NC	, Class 2	1974 Editio	n, <u>Wint</u>	ter 1975 Ac	ddenda, <u>N/A</u> Code	e Case
(b) Applicable Ed	dition of Section XI	Utilized for Repair	s or Replaceme	ents: 1992	Editio	n, 1992 A	<u>ddenda</u>	,
6. Identification of C	Components Repaired	d or Replaced and I	Replacement C	omponents	·			<i>.</i>
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Othe Identifica		Year Built	Repaired or Replacement	ASME Code Stamped (Yes or
Pipe	Bechtel Power	1SI112N00D	N/A	1SI112N0	0010-0	1983	Repaired	NO) YES
Hanger	Bechtel Power	N/A	N/A	1SI112H		1983	Repaired	YES
11ungvi	Decine 1 0 wes	13/21	13/12	10111211	10071	1703	Repaired	11.0
<u> </u>								
148								
	:			· · · · · · · · · · · · · · · · · · ·				
			, .	· · ·				
7. Description of Wo				_		• • ••	K-7	
8. Test Conducted: I			Nominal Oper	ating Press			npt ⊠ N-416	5-2
Other	L Pressu	ure <u>N/A</u> psi				Temperatu:	re <u>N/A</u> °F	·
inches, (2) inform	nental sheets in formation in items 1 the eets is recorded at t	hru 6 on this repor	rt is included		_	•	•	

FORM NIS-2 (Back)

W.O. 2932479 replaced pipe spool 1SI112N00D between valve 1JSIBUV0667 and the downstream pipe tee. The dummy pipe on 1SI112H00A was replaced. The dummy leg to base plate weld was also performed under W.O. 2932479. The pipe to dummy leg weld was accomplished under W.O. 2932705.

Ce	ertificate of Comp	liance	
We certify that the statements made in the ASME Code, Section XI.	he report are correct and	this repair conforms to t	he rules of the
Type Code Symbol Stamp	N/A		. **
Certificate of Authorization No.	N/A	Expiration Date:	N/A_
Signed: Judo that Sp. 3 Owner or Owner's	Designee, Title	Date:/	0/15/06

CERTIFICATE OF INSERVICE INSPECTION

Inspectors and the State or Province of <u>Arizona</u> and er inspected the components described in this Owner's reto, and state that to the best	the National Board of boiler and Pressure Vessel imployed by HSB CT of Hartford, Connecticut, have eport during the period of
By signing this certificate, neither the Inspector nor his concerning the examinations and corrective measures the Inspector nor his employer shall be liable in any modes of any kind arising from or connected with this instance.	described in this Owner's report. Furthermore, neither nanner for any personal injury or property damage or a
Inspectors Signature	Commissions: NB 9685 "N" "I" AZ264 National Board, State, Province, and Endorsements
Date: 10-15-06	

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

Component ID <u>1SI112H00A</u> Item Description: <u>Hanger for</u>			<u>at in the control of</u>	200 (A.S.) 200 (A.S.) 200 (A.S.) 300 (A.S.)
3. N-5 Data Package Number:		Header To Refuel Water 4. W.O. Number: 2		
5. Original Construction Code I6. Original Installation Code Ec	Edition: 1974 Edition, W		· · · · · ·	
7. Work Description: Fabrica	ate and install a new hanger	support pipe per EDC 20		2932663
8. 🗌 ISI Flaw		NDE Method of Flaw Det Report Number:	ection:	
9. Evaluation of the suitability of	-			
Replacing the support pipe	in support of CMWO 2932	<u>2479</u>		
10. Repair/Replacement Work of 11. Replacement Items Constru 12. Repair/Replacement Activit 13. ASME Section XI Code/Ed 14. Preservice Inspection Requiremental Date / O 15. ASME Section XI Pressure Initial Date Initial Date Initial Date Initial Date Initial Date / O 15. Date / O 16.	iction or reconciled Code/E ty Construction Code/Edition lition: 1992 Edition and lired: 13-06 If required, in Test Required: If required, in 16. Include a ISI & Al	dition: Sec. III Cl 2, 1970 on: Sec. III Cl 2, 1974 E 1992 Addenda YES NO	to perform Preservice I for ISI & ANII Inspecting NIS-2 Form has been 2525 Status.	nspection ion. completed by numbers for
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
Hanger Support Pipe	APN 43510414		474900	MR 152114
		,		
18. Planner Signature 19. ISI RIAMAIKANT A Signature	Date 10-13	Printed Name:		

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

				AND DESCRIPTION	W			
1. Owner: Arizon	na Public Service (Company, et. al.		ì	Date: 10/	13/2006		
<u>P. O. F</u>	Box 53999, Phoeni	x Arizona 85072-20	034		Sheet:	<u>1</u> of <u>2</u>	" · ·	
2. Plant: <u>Palo V</u>	erde Nuclear Gene	erating Station			Unit: <u>1</u>			
5801 South Wintersburg Road., Tonopah, Arizona 85354-7529 Work Order Number 2932705								
3. Work Performe	d by: <u>Arizona Public</u>	<u>Service</u>			Type of C	ode Stamp	None	!
					Authorizat	tion No.	N/A	
					Expiration	Date N/	A	
4. Identification of	f System: Safety In	jection				;		
5. (a) Applicable	Construction Code [ASME Section III NC	, Class 2 <u>1</u>	1 <u>974</u> Editio	on, Winter 1	975 Adde	nda, Code	e Case
(b) Applicable	Edition of Section X	I Utilized for Repairs	s or Replace	ments: <u>199</u>	92 Edition.	1992 Ad	ldenda	j.
6. Identification of	f Components Repai	red or Replaced and I	Replacement	Componer	nts		/	/
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.		her fication	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)
Hanger	Bechtel Power	N/A	N/A	1SI112H	00A	1983	Repaired	YES
	· .						·	
i							·	
			,					
7. Description of V	Vork: Replace the	hanger support pip	<u>e</u>					
8. Test Conducted:	: Hydrostatic	Pneumatic [Nomi	nal Operat	ing Pressure		Exempt 🛚	
N-4	116-2 Other	Pressure psi			Test Ten	nperature	°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)	
).		SI112H00A per 13-SI-112-H-00.	A, DFWO 2932663 and
	EDC 2006-00961.		
			······································
Pr	re-Pressured Test WO Review – ISI		
) (
	ANII		
	. C	7	
	Certificate of C	ompliance	
	We certify that the statements made in the report are correct Code, Section XI.	t and this repair conforms to the	
	· #		igar Tarangan
		Expiration Date:	N/A
	Signed: Owner or Owner's Designee, Title	Date:	10-14-06
	Owner or Owner's Designee, Tifle		
i			The state of the s
·			. 14
· 			·
	CERTIFICATE OF INSER	VICE INSPECTION	
	I, the undersigned, holding a valid commission issued by Inspectors and the State or Province of Arizona and emplo		
	inspected the components described in this Owner's repor	t during the period of	0-13-06
	examinations and taken corrective measures described	•	<u> </u>
:	requirements of the ASME Code, Section XI.		
	By signing this certificate, neither the Inspector nor his em	ployer makes any warranty, e	expressed or implied,
	concerning the examinations and corrective measures describe Inspector nor his employer shall be liable in any manner.		
	loss of any kind arising from or connected with this inspect		roperty damage or a
	2h dita	· · • • • • • • • • • • • • • • • • • •	21 47064
	Inspectors Signature	ommissions: NB 9685 "N" "I National Board, State,	" AZ264 Province, and Endorsements
ĺ	mapoetora orginitate		A STATE OF THE STA

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

Page 1. Component ID 1JSIBUV667 2.. Item Description: Safety Injection (SI) HPSI "B" to the RWT isolation valve. 3. N-5 Data Package Number: 1SI09-3 4. W.O. Number: 2932833 5. Original Construction Code Edition: 1974 Edition, Winter 1975 Addenda 6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda 7. Work Description: Replace valve 1JSIBUV667 on line 1PSIBL112 in accordance with instructions provided in work order 2932833. 8. SI ISI Flaw NDE Method of Flaw Detection: Report Number: 9. Evaluation of the suitability of this work as per the requirements of IWA - 4150: Replacement of this component is most likely due to cavitation. Structural interity of the replacement valve will be monitored as per CRDR 2932507 disposition. 10. Repair/Replacement Work Organization: Arizona Public Service 11. Replacement Items Construction or reconciled Code/Edition: Sec. III Cl 2, 1974 Edition 1975 Winter Addenda 12. Repair/Replacement Activity Construction Code/Edition: Sec. III Cl 2, 1974 Edition 1975 Winter Addenda 13. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 14. Preservice Inspection Required: ⊠ YES □ NO If required, include a step in the W.O. to perform Preservice Inspection SME Section XI Pressure Test Required: **⊠** YES □ NO If required, include a step in the W.O. for ISI & ANII Inspection. 16. Include a step in the W.O. to verify NIS-2 Form has been completed by ISI & ANII prior to approving INP525 Status. 17. Include a step in the W.O. to record below all applicable numbers for replacement items. Item ID Part No. Serial No. Heat No. MR/PO/WO No. IJSIBUV667 APN 00050507 N/A MR- 1188556 Printed Name: Heabert L. GREEN 18. Planner -23-07 Printed Name: WILEY AHR STROM Log Entry ROBERT G. HOGSTROM 3-23-07 Printed Name: 20. ANII Date

ASME SECTION XI – REPAIR / REPLACEMENT

ASME SECTION XI – REPAIR / REPLACEMENT

Page 2 of 3

			Pa	ge of
1. Component ID 1-S	I-112-H-00A	·		
-	Safety Injection (SI) pipe support.			
3. N-5 Data Package N		4. W.O. Number:	2932833	
5. Original Construction	on Code Edition: 1974 Edition, V	Winter 1975 Addenda		
6. Original Installation	Code Edition: 1974 Edition, W	inter 1975 Addenda		· .
7. Work Description:	Remove and reinstall 3/16" Fille		pe to plate weld on pipe	support 1-SI-112-H00A
•	to support valve 1JSIBUV667 in			
8. 🔲 ISI Flaw		NDE Method of Flaw D	etection:	•
		Report Number:		
9. Evaluation of the su	itability of this work as per the req	quirements of IWA - 4150	:	
Rewelding of this	support weld is due to replacement	t of valve 1JSIBUV667.		
			:	
10 P 1 / P 1	A Walland and A days T	2.11. 0	•	,
	nt Work Organization: Arizona F		074 F. W 1076 XX	A 7.1 . 1
	Construction or reconciled Code/			
	nt Activity Construction Code/Edit		Edition 19/5 Winter A	<u>ddenda</u>
13. ASME Section XI	Code/Edition: 1992 Edition and	d 1992 Addenda	,	
14. Preservice Inspecti	on Required:	YES NO		
Initial Da	te 2/16/27 If required	include a step in the W.O	to perform Preservice	Inspection
	•		Required Rue FIRING	
Initial M Da	Pressure Test Required: te 2/16/07 If required,	include a step in the W.O	3-28-07 B-21>	
11	16. Include	e a step in the W.O. to ver	ify NIS-2 Form has bee	n completed by
Initial Da	te 2/16/07 ISI & A	ANII prior to approving IN	NP525 Status.	
	17. Include	a step in the W.O. to reco	ord below all applicable	numbers for
Initial Da	te 3/16/07 replace	ment items.		
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
VALVE BODY	50507		36240	1100551
JO b	307	<i>J</i>	1 300 10	1100336
	/			
		,		

·				
1/	////	/ · /	1/ / //	_
18. Planner Signati	to the	6/02 Printed Name:	Heabest L.	SIEEN
Signati	ine Da	ate .		
19. ISI 1905 C	3-5	23-07 Printed Name:	WILEY AHLETE	Log Entry 6007
Signati	ire Da	ate		
24 .	In true	2-47	ROBERT G. H.	
20. ANII Signati		3-07 Printed Name:	KOBERT Cz. H.	oastrom
	Di	410		

ASME SECTION XI - REPAIR / REPLACEMENT 1. Component ID 1-SI-112-H-00A 2.. Item Description: Safety Injection (SI) pipe support. 3. N-5 Data Package Number: 1SI09-3 4. W.O. Number: 2932833 5. Original Construction Code Edition: 1974 Edition, Winter 1975 Addenda 6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda 7. Work Description: Remove <u>Dummy pipe on support 1-SI-112-H00A and replace with a new pipe IAW EDC 2006-00961 in</u> accordance with instructions provided in work order 2932833. 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: Replacement of the support Dummy pipe is due to replacement of valve 1JSIBUV667. 10. Repair/Replacement Work Organization: Arizona Public Service 11. Replacement Items Construction or reconciled Code/Edition: Sec. III Cl 2, 1974 Edition 1975 Winter Addenda 12. Repair/Replacement Activity Construction Code/Edition: Sec. III Cl 2, 1974 Edition 1975 Winter Addenda 13. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda \bowtie YES \square NO 14. Preservice Inspection Required: If required, include a step in the W.O. to perform Preservice Inspection ASME Section XI Pressure Test Required: ☐ YES \bowtie NO If required, include a step in the W.O. for ISI & ANII Inspection. Date 6 16. Include a step in the W.O. to verify NIS-2 Form has been completed by ISI & ANII prior to approving INP525 Status. 17. Include a step in the W.O. to record below all applicable numbers for replacement items. Item ID Part No. Serial No. Heat No. MR/PO/WO No. 1-SI-112-H-00A APN 43510414 474900 N/A MR 1232912 Printed Name: HEMBERT L. GFEN 18. Planner Printed Name: R. P. INDAP Log Entry RPR Date Rec down than 20. ANH Date

As Required by the Provisions of the ASME Code Section XI

. Owner: <u>Arizona</u>	Public Service Co	ompany, et. al.		Da	ate: 06-27-2	007	
<u>P. O. Bo</u>	x 53999, Phoenix	Arizona 85072-20	034	Sh	eet: 1 of	2	
2. Plant: Palo Ver	rde Nuclear Genera	ating Station		Ur	nit: 1		
5801 So	uth Wintersburg R	oad., Tonopah, A	rizona 85354	-7529 W	ork Order Nun	nber: 2932833	-
3. Work Performed	by: <u>Arizona Public S</u>	Service Co.	₽	Ту	pe of Code Sta	amp: None	
	5801 S. Wintersb	urg Rd., Tonopah.	Arizona, 8535	<u>4-7529</u> Au	ıthorization No	o.: N/A	
1				Ex	piration Date:	N/A	
4. Identification of S	System: Safety Injec	ction					•
5. (a) Applicable Co	onstruction Code <u>AS</u>	ME Section III NO	C, Class 2	1974 Edition, <u>V</u>	Vinter 1975 A	ddenda, <u>N/A</u> Cod	e Case
(b) Applicable E	dition of Section XI	Utilized for Repair	s or Replaceme	ents: <u>1992 Ed</u>	ition, 1992 A	ddenda	
6. Identification of C	Components Repaired	d or Replaced and l	Replacement C	omponents			/
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identificatio	Year Built	Repaired or Replacement	ASME Code
							Stamped (Yes or NO)
Valve	Borg Warner	51	N/A	1JSIBUV06	57 1997	Replacement	Yes
Hanger	. N/A	N/A	N/A	1SI112H00A	2007	Replacement	Yes
· / .							
							.
7. Description of Wo	ork: Replace valve 1	JSIBUV0667 and 1	reinstall hanger	· 1SI112H00A	dummy pipe.		
8. Test Conducted: 1	Hydrostatic	Pneumatic	Nominal Oper	rating Pressure	⊠ Exem	pt N-416	5-2
Other	Press	ure psi		Т	est Temperatu	re °F	
NOTE: Supplem	nental sheets in for	m of lists sketche	es or drawing	rs may he use	d provided (1) size is 8 ½ X	11
inches, (2) inform	mation in items 1 the eets is recorded at the	hru 6 on this repo	rt is included				
· A residence of the contract	man isang salah mengan mengangkan pengangkan dianggan pengangkan dianggan pengangkan dianggan pengangkan pengan	ett park med set der den de i voord varrener die die eerste voord en gewone gebeure verschiede gewond verschiede gebeure versch	Maria de Proposition de la company de la company de la company de la company de la company de la company de la		and the state of t	MATERIAL CONTRACTOR OF THE STREET OF THE STREET, AND THE STREE	ter a lit man amore fore menue for

	FORM NIS-2 (Back)
9.	Remarks: Replace valve 1JSIBUV667 and remove and reinstall hanger 1SI112H00A dummy pipe to plate weld. Ref work order 2932833.
Pı	re-Pressured Test WO Review - ISI 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 N/A
	Certificate of Authorization No. N/A Expiration Date: N/A

PV216-08NI (8-88)

			Pa	ge of	
1. Component ID 1PSIB	L112				
2 Item Description: Sat			·		
3. N-5 Data Package Nun	nber: <u>1SI09-3</u>	4. W.O. Number:	2932834		
Original Construction	Code Edition: 1974 Edition	n, Winter 1975 Addenda		•	
Original Installation C	ode Edition: 1974 Edition,	Winter 1975 Addenda			
•	Replace a 90° elbow and secon accordance with instruction			m of valve IJSIBUV0)667
. 🔲 ISI Flaw		NDE Method of Flaw D	Detection:		
		Report Number:		•	
Evaluation of the suita	bility of this work as per the	requirements of IWA - 4150):		
Replacement of this o	component is most likely due	to cavitation. Structural int	grity of the replacement	pipe will be	
monitored as per CRI	OR 2932507 disposition.				
Á		κ.			
A to		,	٠,	<u>.</u>	
O. Repair/Replacement	Work Organization: <u>Arizor</u>	na Public Service			
1. Replacement Items C	onstruction or reconciled Co	de/Edition: Sec. III Cl 2, 1	974 Edition 1975 Winte	er Addenda	
•	Activity Construction Code/F				
3. ASME Section XI Co	ode/Edition: 1992 Edition	and 1992 Addenda		· /	,
4. Preservice Inspection	Required:	☐ YES ⊠ NO)	/	
• •		_			
MI/I	70				
		ed, include a step in the W.C		Inspection	
		ed, include a step in the W.C		Inspection	
5. ASME Section XI Pro	essure Test Required:		0	,	
5. ASME Section XI Pronitial Date	essure Test Required: 2/17/07 If required:	⊠ YES □ N	O O. for ISI & ANII Inspec	etion.	
15. ASME Section XI Pro Initial Date	essure Test Required: 2/17/07 If required: 16. Incl		O D. for ISI & ANII Inspectify NIS-2 Form has been	etion.	
15. ASME Section XI Pro Initial Date Initial Date	2/17/07 If required: 2/17/07 If required: 2/17/07 If required:	Ed, include a step in the W.C. ude a step in the W.O. to ver & ANII prior to approving I	O one of the control	etion. In completed by	
15. ASME Section XI Pro Initial Date	2/17/07 If required: 2/17/07 16. Incl 17. Incl	Ed, include a step in the W.O. to vertical ude a step in the W.O. to vertical ways.	O one of the control	etion. In completed by	
5. ASME Section XI Pronitial Date	2/17/07 If required: 2/17/07 16. Incl 17. Incl	EX YES Noted, include a step in the W.O. to verse. ANII prior to approving I ude a step in the W.O. to reconstruct the w.O. to	O one of the control	etion. In completed by	No.
Date itial Date itial Date Item ID	2/17/07 If required: 2/17/07 16. Incl 17. Incl 17. Incl 18. repl	EX YES Noted, include a step in the W.O. to verse. ANII prior to approving I ude a step in the W.O. to recacement items.	O The state of th	etion. In completed by In numbers for	
ASME Section XI Protial Date tial Date tial Date tial Date SIBL112	Part No.	EX YES No. No. No. No. No. No.	O. for ISI & ANII Inspectify NIS-2 Form has been NP525 Status. Cord below all applicable Heat No. 474900	enumbers for MR/PO/WO N	7.3
Date itial Date itial Date Item ID PSIBL112	Part No. APN 43510414	EX YES No. No. No. No. No. No. No. No.	O The state of th	en completed by enumbers for MR/PO/WO N	7.3
Date nitial Date nitial Date nitial Date Note The Date Item ID PSIBL112	Part No. APN 43510414	EX YES No. No. No. No. No. No. No. No.	O. for ISI & ANII Inspectify NIS-2 Form has been NP525 Status. Cord below all applicable Heat No. 474900	enumbers for MR/PO/WO N	73
Date itial Date itial Date Item ID PSIBL112	Part No. APN 43510414	EX YES No. No. No. No. No. No. No. No.	O. for ISI & ANII Inspectify NIS-2 Form has been NP525 Status. Cord below all applicable Heat No. 474900	enumbers for MR/PO/WO N	73
Date itial Date itial Date Item ID PSIBL112	Part No. APN 43510414	EX YES No. No. No. No. No. No. No. No.	O. for ISI & ANII Inspectify NIS-2 Form has been NP525 Status. Cord below all applicable Heat No. 474900	enumbers for MR/PO/WO N	73
Date itial Date itial Date Item ID PSIBL112	Part No. APN 43510414	EX YES No. No. No. No. No. No. No. No.	O. for ISI & ANII Inspectify NIS-2 Form has been NP525 Status. Cord below all applicable Heat No. 474900	enumbers for MR/PO/WO N	73
ASME Section XI Protial Date tial Date tial Date Trem ID	Part No. APN 43510414	EX YES No. No. No. No. No. No. No. No.	O. for ISI & ANII Inspectify NIS-2 Form has been NP525 Status. Cord below all applicable Heat No. 474900	enumbers for MR/PO/WO N	73
Date Item ID PSIBL112	2/17/07 If required: 2/17/07 16. Include 17. Include 17. Include 18.	ed, include a step in the W.O. to ver & ANII prior to approving I ude a step in the W.O. to recacement items. Serial No. N/A N/A	O. for ISI & ANII Inspectify NIS-2 Form has been NP525 Status. Cord below all applicable Heat No. 474900 MEWY-I	enumbers for MR/PO/WO N PO# 602041 MR# 1153105	7.3
ASME Section XI Productial Date Date Itial Date Itial Date SIBL112 SIBL112 Planner Date Date Date Date Date Date Date Date	2/17/07 If required: 2/17/07 16. Include 17. Include 17. Include 18.	ed, include a step in the W.O. to ver & ANII prior to approving I ude a step in the W.O. to recacement items. Serial No. N/A N/A	O. for ISI & ANII Inspectify NIS-2 Form has been NP525 Status. Cord below all applicable Heat No. 474900	enumbers for MR/PO/WO N PO# 602041 MR# 1153105	7.3
5. ASME Section XI Proposed initial Date Date Date Item ID PSIBL112 PSIBL112	2/17/07 If required: 2/17/07 16. Include 17. Include 17. Include 18.	ed, include a step in the W.C. ude a step in the W.O. to ver & ANII prior to approving I ude a step in the W.O. to recacement items. Serial No. N/A N/A	O. for ISI & ANII Inspectify NIS-2 Form has been NP525 Status. Cord below all applicable Heat No. 474900 MEWY-I	enumbers for MR/PO/WO N PO# 602041 MR# 1153105	7.3
5. ASME Section XI Pronitial Date Date Date Item ID PSIBL112 PSIBL112 8. Planner Signature	Part No. APN 43540474 APN 43540474	ed, include a step in the W.C. to ver & ANII prior to approving I ude a step in the W.O. to recacement items. Serial No. N/A N/A Printed Name	O. for ISI & ANII Inspectify NIS-2 Form has been NP525 Status. Cord below all applicable Heat No. 474900 MEWY-I	m completed by make numbers for MR/PO/WO N PO# LODOUL MR# 115.3108	7.3
Initial Date Initial Date Initial Date Initial Date Item ID 1PSIBL112 1PSIBL112 18. Planner	Part No. APN 43540474 APN 43540474	ed, include a step in the W.C. to ver & ANII prior to approving I ude a step in the W.O. to recacement items. Serial No. N/A N/A Printed Name	O. for ISI & ANII Inspectify NIS-2 Form has been NP525 Status. Cord below all applicable Heat No. H74900 MEWY-I	m completed by make numbers for MR/PO/WO N PO# LODOUL MR# 115.3108	7.3
Initial Date Initial Date Initial Date Item ID IPSIBL112 IPSIBL112 IPSIBL112 IPSIBL112 IPSIBL112 IPSIBL113	Part No. APN 43510414 APN 43540474	ed, include a step in the W.O. to ver & ANII prior to approving I ude a step in the W.O. to recacement items. Serial No. N/A N/A Printed Name 23-07 Date Printed Name	O. for ISI & ANII Inspectify NIS-2 Form has been NP525 Status. Cord below all applicable Heat No. H74900 MEWY-I	men completed by mumbers for MR/PO/WO I MR# 115.310E MR# 115.310E	7.3

1. Owner: Arizo	ona Public Service (Company, et. al.		1	Date: <u>02/</u>	17/2007		
<u>P. O. I</u>	30x 53999, Phoeni	ix Arizona 85072-20	<u>)34</u>		Sheet:	<u>1</u> of <u>2</u>	· •.	۰. ۱
2. Plant: Palo V	Verde Nuclear Gene	erating Station			Unit: <u>1</u>			
<u>5801 S</u>	South Wintersburg	Road., Tonopah, Ar	<u>rizona 8535</u>	<u>54-7529</u>	Work Ord	ler Number	r <u>2932834</u>	l
3. Work Performe	ed by: <u>Arizona Public</u>	c Service			Type of Co	ode Stamp	, None	
			•		Authorizat	tion No.	<u>N/A</u>	
					Expiration	Date N/A	A	
4. Identification o	of System: Safety In	jection					· ·	ļ
5. (a) Applicable	Construction Code /	ASME Section III NC	.', Class 2	<u>1974</u> Editic	on, Winter 1	<u>975</u> Addei	nda, Code	e Case
(b) Applicable	Edition of Section >	XI Utilized for Repairs	s or Replace	ments: <u>19</u>	92 Edition	<u>, 1992 Ad</u>	<u>ldenda</u>	•
6. Identification o	f Components Repai	ired or Replaced and F	Replacement	t Compone	nts		/	/
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	4	ther fication	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or
Pipe	Bechtel Power	1SI112N00D	N/A	IDSIRI 1	12, Spool	1983	Repaired	No) YES
Fipe	Decilier 1 Ower	131112140015	IV/A	N00D	12, 3 poor	1905	Керапси	1125
. , ,								
		·						
			,					
		90° elbow and sectionstructions provided				l N00D, d	lownstream of	valve
8. Test Conducted:	Hydrostatic	Pneumatic	☐ Nomi	inal Operat	ting Pressure	2 🔲 J	Exempt	
N-4	416-2 🛛 Other	Pressure 20P psi	i		Test Tem	nperature	<u>90</u> °F	
inches, (2) info	ormation in items 1	Form of lists, sketche I thru 6 on this reported at the to of this f	rt is include					

FORM N	NIS-2 (Back)
2. Remarks: eplace a 90° elbow and section of pipe on 1PS accordance with instructions provided in work order 2932	IBL112, spool N00D, downstream of valve 1JSIBUV0667 in 834
Pre-Pressured Test WO Review – ISI	<i>N</i>
ANII	JA
Certificate	of Compliance
We certify that the statements made in the report are code, Section XI.	correct and this repair conforms to the rules of the ASME
Type Code Symbol StampN/A_	
Certificate of Authorization No. N/A Signed: Owner or Owner's Designee, Title	Expiration Date: N/A Date: 6-16-07
Participation of the Company of the	
I, the undersigned, holding a valid commission issue 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	set by the National Board of boiler and Pressure Vessel employed by HSB CT of Hartford, Connecticut, have report during the period of 3-23-07 to f my knowledge and belief, the Owner has performed abed in this Owner's Report in accordance with the
concerning the examinations and corrective measures	is employer makes any warranty, expressed or implied, described in this Owner's report. Furthermore, neither manner for any personal injury or property damage or a spection.
nspectors Signature	Commissions: NB 9685 "N" "I" AZ264 National Board, State, Province, and Endorsements

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	ASME SECTION A	AI – REPAIR / REPL	ACEMENT Pag	ge of
1. Component ID <u>1PSPAL0</u>	98			
2 Item Description: Jacket	·			•
3. N-5 Data Package Number	: <u>1SP01-2</u>	4. W.O. Number: 2	942222	
5. Original Construction Cod	le Edition: 1974 Edition, S	Summer 1975 Addenda		
6. Original Installation Code	Edition: 1974 Edition, Wi	inter 1975 Addenda		
7. Work Description: Weld	d repair of the flange area du	e to corrosion.		•
8. 🔲 ISI Flaw		NDE Method of Flaw Det	ection:	¥ .
ē.	÷ 4	Report Number:		
9. Evaluation of the suitability	ty of this work as per the req	juirements of IWA - 4150:		
Periodic weld build up of	f corroded area of the flange	due to coating unbonding.	After weld build up, the	he coating will be re-
applied.				
				,
3 - 				. -
10. Repair/Replacement Wor	rk Organization: Arizona F	Public Service		
11. Replacement Items Cons	truction or reconciled Code/	Edition: Sec. III Cl 3, 197	74 Edition 1975 Summ	ner Addenda
12. Repair/Replacement Acti	vity Construction Code/Edit	tion: Sec. III Cl 3, 1974 E	dition 1975 Winter A	<u>ddenda</u>
13. ASME Section XI Code/	Edition: 1992 Edition and	d 1992 Addenda		
14. Preservice Inspection Re		☐ YES		/
Initial Date 6	1-11-07 If required,	include a step in the W.O.	to perform Preservice	Inspection
15. ASME Section XI Pressu		⊠ YES □ NO	•	•
- //		include a step in the W.O.	for ISI & ANII Inspec	ction.
Initial M/L Date 4	, -(/-0/	e a step in the W.O. to verif ANII prior to approving INI	•	n completed by
Initial MfL Date _		e a step in the W.O. to recomment items.	d below all applicable	numbers for
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
1PSPAL098	N/A	1SP098S004	*	WO 2942222
				·
28				
		, .		
18. Planner Mall Signature	help 6-11-	Printed Name:	Marka S	ollren
19. ISI Willy Bignature	6-11-0 Di	Printed Name:	WILEY AHLST	Log Entry Lath
20. ANII Signatur			RG HOGSTRO	м

1. Owner: Arizo	na Public Service (Company, et. al.		1	Date: <u>6/1</u>	1/07		
<u>P. O. I</u>	30x 53999, Phoeni	x Arizona 85072-20	034		Sheet:	<u>1</u> of <u>2</u>	· .	
2. Plant: Palo V	erde Nuclear Gen	erating Station			Unit: <u>1</u>			-
<u>5801 S</u>	South Wintersburg	Road., Tonopah, A	rizona 8535	54-7529	Work Ord	er Number	2942222	
3. Work Performe	ed by: <u>Arizona Publi</u>	<u>Service</u>			Type of C	ode Stamp	None	
					Authorizat	tion No.	N/A	٠.
,					Expiration	Date <u>N/</u>	<u>A</u> .	
4. Identification o	f System: SP	•	0 1	الاست _{ة م}			feed f	
5. (a) Applicable	Construction Code 1	ASME Section III NB	. Class 1	1974 Editio	n, <u>Summer</u>	<u>1975</u> Add	enda, Co	de Case
(b) Applicable	Edition of Section 2	I Utilized for Repair	s or Replace	ments: 19	92 Edition	, 1992 Add	lenda	
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)
Jacker water inlet elbow	Pullman Kellog	1SP098S004	N/A	1PSPAL()98	1979	Repaired	YES
	·							
/								
	•							
5								
		·			-		,	
				·				
7. Description of V	Work: Weld build	up of corroded area	due to coa	ting separa	ation from	the flang	e. W.O. 29422	222
8. Test Conducted	: Hydrostatic	Pneumatic [Nomi	nal Operati	ing Pressure		Exempt [
N -4	116-2 Other	Pressure psi			Test Ten	nperature	°F	<i>*</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		-			

	FORM NIS-2 (Back)
9.	Remarks: Weld build up of corroded area due to coating separation from the flange. W.O. 2942222
Pı	re-Pressured Test WO Review – ISI <u>WJ9</u>
	ANII 4 6-867
	Certificate of Compliance
	We certify that the statements made in the report are correct and this repair conforms to the rules of the ASME Code, Section XI.
	Type Code Symbol StampN/A
	Certificate of Authorization No. N/A Expiration Date: N/A
	Signed: 151 ENGINER Date: 6-18-07 Owner or Owner's Designee, Title
, .	
	CERTIFICATE OF INSERVICE INSPECTION
	I, the undersigned, holding a valid commission issued by the National Board of boiler and Pressure Vessel Inspectors and the State or Province of <u>Arizona</u> and employed by <u>HSB CT</u> of <u>Hartford, Connecticut</u> , have inspected the components described in this Owner's report during the period of <u>c-u-ol</u> to <u>named to use of use of use of the ASME Code</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.
٠	
	By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
	Commissions: NB 9685 "N" "I" AZ264 Inspectors Signature National Board, State, Province, and Endorsements
	Date: 6-18-07

PV216-08NI (8-88)

	ASME SECTION	XI – REPAIR / REPL	ACEMEN I Pa	ge of
8. ISI Flaw9. Evaluation of the suitabilit	sser valve model 7250W 1RC03-1 E Edition: 1974 Edition, Value Edition: 1974 Edition, Value Edit	NDE Method of Flaw De Report Number: N/A	tection: N/A	ing leakage.
 10. Repair/Replacement Wor 11. Replacement Items Const 12. Repair/Replacement Acti 13. ASME Section XI Code/I 	ruction or reconciled Code vity Construction Code/Edition: 1992 Edition a	e/Edition: <u>Sec.III Cl 1, 19</u> dition: <u>Sec. III Cl 1, 1974 F</u> nd 1992 Addenda	74 Edition 1975 Sumn	
Initial Prof. Date 5- Initial Prof. Date 5- Initial Prof. Date 5- Initial Prof. Date 5- Initial Prof. Date 5- Initial Prof. Date 5-	7-10-07 If required: -10-0	Hyes NO Id, include a step in the W.O. YES NO Id, include a step in the W.O. Ide a step in the W.O. to veriff ANII prior to approving INII the a step in the W.O. to reconcernent items.	for ISI & ANII Inspec y NIS-2 Form has bee P525 Status.	ction. n completed by
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
Valve	APN 45000244	59.BBY	N/A	MR 1222747
18. Planner Signature 19. ISI Signature 20. ANII De La La La La La La La La La La La La La	3	Date //o7 Date Printed Name:	DAULD M. G R.L.BROUSEIN R.G. HOGSTRON	と Log Entry <i>Pい</i> ろ

			in the Springs of the second	444		the state of the state of	The state of the s	
1. Owner: Arizon	na Public Service (Company, et. al.		1	Date: <u>6/1</u>	7/2007		
<u>P. O. F</u>	30x 53999, Phoeni	x Arizona 85072-20	<u> </u>		Sheet:	<u>1</u> of <u>2</u>		
2. Plant: Palo V	Verde Nuclear Gene	erating Station			Unit: 1			·
<u>5801 S</u>	South Wintersburg	Road., Tonopah, A	rizona 8535	54-752 <u>9</u>	Work Orde	er Number	<u>2942937</u>	
3. Work Performe	ed by: <u>Arizona Public</u>	c Service			Type of Co	ode Stamp	None	٠.
					Authorizat	tion No.	<u>N/A</u>	
					Expiration	Date <u>N/</u>	<u>A</u> ≅-	
4. Identification of	f System: CH: Che	mical and Volumn Co	ontrol Systen	ū			iter"	
5. (a) Applicable	Construction Code <u>/</u>	ASME Section III NB	Class 1	<u>1974</u> Edition	ı, <u>Summer</u>	<u>1975</u> Add	enda, Co	de Case
(b) Applicable	Edition of Section X	KI Utilized for Repairs	s or Replace	ments: 199	92 Edition,	1992 Add	lenda	
6. Identification of	f Components Repai	red or Replaced and F	Replacement	Component	ts		,	<i>[</i>
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Oth Identifi		Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)
Valve	Dresser	H013AAP	N/A	1PCHAVN	M41	1980	Replaced	YES
Valve	Flowserve	59BGY	N/A	IPCHAVN	√141	2006	Replacement	YES
	·		·					
À								,
				,			·	
			,					
7. Description of V	Work: Weld replac	ement of valve.	,					
8. Test Conducted:	: Hydrostatic	Pneumatic [Nomi	nal Operatir	ng Pressure	; 🗌 I	Exempt 🛛	
N-4	116-2 Other	Pressure psi	ı		Test Tem	nperature	°F	
					•	e, mi jet	- 14	
inches, (2) info	ormation in items 1	orm of lists, sketche thru 6 on this reported at the to of this f	rt is include	-	•			

	FORM NIS-2 (Back)
.9	Remarks: WO# 2942937 for valve 1PCHAVM41 will be weld replaced due to repeated packing leakage.
P	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 StampN/A
	Certificate of Authorization No. N/A Expiration Date: N/A
	Signed: ANN STAND 151 ENGINEER Date: 6.18.07 Owner or Owner's Designee, Title
	Owner or Owner's Designee, Title
- 1878.	
	I, the undersigned, holding a valid commission issued by the National Board of boiler and Pressure Vessel Inspectors and the State or Province of Arizona and employed by HSB CT of Hartford, Connecticut, have inspected the components described in this Owner's report during the period of
	examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
	By signing this 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: 6-18-07

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FORM NPV-1 N CERTIFIC E HOLDERS' DATA REPORT FOR NUC. _AR PUMPS OR VALVES*

Man					· · · · · · · · · · · · · · · · · · ·		Pg. 1 of
wan	ufactured by	Flowserve C	orporation,	900 S. Saunders St., Address of N Certificate Holder	Raleigh, NO	27603	
Man	ufactured for Arize	ona Public Servi	ce PO Box 5203	4 Phoenix, AZ 85072	-2034		
Loca	ation of Installation <u>A</u>	PS- Palo Verde	5801 South Win	Address of Purchaser or Owner tersburg Rd. Tonor			٠.
Pur	np or Valve	Valve	·	(Name and Address) I Inlet Size	1"	utlet Size	1"
	(a) Model No.	(b) N Certificate	(c) Canadian	(in	ch)		(inch)
	Series No.	Holder's	Registration	(d) Drawing		(f) Nat'l	(g) Y
	or Type	Serial No.	No.	No.	(e) Clas		Bu
(1)	1690#	58BGY	N/A	ARZ-21508-(1) Re	ev. C 1	N/A	20
(2)	1690#	59BGY	N/A.	ARZ-21508-(1) Re	ev. C 1	N/A	20
(3)	1690#	60BGY	N/A	ARZ-21508-(1) Re	ev. C 1	N/A	20
(4)							
(5)							
(6)							
(7)							
(8)							
(9)			,			,	. ,
(10)							/
	ign Conditions			-	e Pressure Class	4.00	
		(Pressure)	(Tem	30		1690	
	Working Pressure	40.00		perature;			
		4056	psi at 100 °F.	perature;			· · · · · · · · · · · · · · · · · · ·
Pres	ssure Retaining Piece Mark No.	s			nufacturer	Ren	narks
. •	ssure Retaining Piece Mark No.	s	psi at 100 °F. Material Spec. No.		nufacturer	Ren	
. •	ssure Retaining Piece	s			nufacturer	Ren	
. •	ssure Retaining Piece Mark No. Castings	s			nufacturer	Ren	
. •	ssure Retaining Piece Mark No.	s			nufacturer	Ren	
	ssure Retaining Piece Mark No. Castings	s			nufacturer	Ren	narks
	ssure Retaining Piece Mark No. Castings	s			nufacturer	Ren	narks
	ssure Retaining Piece Mark No. Castings	s			nufacturer	Ren	narks
_(a)	ssure Retaining Piece Mark No. Castings	s			nufacturer	Ren	narks
(a)	Mark No. Castings	S	Material Spec. No.	Ma			narks
_(a)	Mark No. Castings Forgings 84703	S	Material Spec. No.	Ma	arson	Bo	narks
_(a)	Soure Retaining Piece Mark No. Castings Forgings 84703 A1	S	Material Spec. No. SA182 Gr. F316	Ma	_arson [rinity	Bo Boi	narks ody nnet
(a)	Mark No. Castings Forgings 84703	S	Material Spec. No.	Ma	arson	Bo Boi	narks
(a)	Soure Retaining Piece Mark No. Castings Forgings 84703 A1	S	Material Spec. No. SA182 Gr. F316	Ma	_arson [rinity	Bo Boi	narks ody nnet

⁽¹⁾ For manually operated valves only

^{*}Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8-1/2" x 11", (2) information in items 1, 2 and 5 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of this form.

Mark No.

Remarks

Value	CINI	FODCV	through	CODCV
Valve	3/1V	30001	unoudn	1 2000

Manufacturer

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	<u> </u>			
(d) Other Parts				
(u) Other Faits				
V 2		•		
				
		CERTIFICATE	OF COMPLIANCE	
Ve certify that the statem	nents made in this r	report are correct an	d that this pump, or valve, co	onforms to the rules of
onstruction of the ASMI	E Code for Nucle	report are correct an ear Power Plant Co	nd that this pump, or valve, coonponents. Section III. Div. 1.	, Edition (97)
onstruction of the ASMI ddenda Summer 19	E Ccde for Nucle 976 , Code Case N	report are correct an ear Power Plant Co	nd that this pump, or valve, coonponents. Section III. Div. 1.	Edition
onstruction of the ASMI ddenda Summer 19	E Code for Nucle	report are correct an ear Power Plant Co	nd that this pump, or valve, coonponents. Section III. Div. 1.	, Edition (97)
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ddenda Summer 19 gned Flow	E Code for Nucle 976 , Code Case Note: Viserve Corp. Historicate Holder)	report are correct and ear Power Plant Correct and Pow	Date N symbol e	Edition (97)
ddenda Summer 19 igned Flow (N Cer ur ASME Certificate of Auth	E Code for Nucle 976 , Code Case Note 7 Serve Corp. Tifficate Holder) Thorization No.	report are correct and ear Power Plant Correct and Pow	Date N symbol e (N) Id that this pump, or valve, coordinate Div. 1: Date N symbol e	### Edition (37)
ddenda Summer 19 igned Flow (N Certificate of Authority) Design information	E Code for Nucle 976 , Code Case Note Viserve Corp. Hificate Holder) Horization No.	report are correct and ear Power Plant Connect No. N/A by N-1562 to CERTIFICAT	Date None of Design None of	### Edition (97)
ddenda Summer 19 igned Flow (N Certificate of Auth Design information Stress analysis report (E Code for Nucle 976 , Code Case Notes viserve Corp. difficate Holder) norization No. on file at (Class 1 only) on file a	report are correct and ear Power Plant Connect No. N/A by N-1562 to CERTIFICAT	Date N Symbol e N Flowserve Corporation R Flowserve Corporation R	expires 11-26-09 (Date) aleigh, NC on Raleigh, NC
ddenda Summer 19 igned Flow (N Certificate of Auth	E Code for Nucle 976 , Code Case Notes viserve Corp. difficate Holder) norization No. on file at (Class 1 only) on file a	report are correct and ear Power Plant Connect No. N/A by N-1562 to CERTIFICAT	Date None of Design None of	expires 11-26-09 (Date) aleigh, NC on Raleigh, NC
onstruction of the ASMI ddenda Summer 19 igned Flow (N Cer ur ASME Certificate of Auth Design information Stress analysis report (E Code for Nucle 976 , Code Case Note to Corp. Unificate Holder) norization No. on file at (Class 1 only) on file a certified by (1)	report are correct and ear Power Plant Connect No. N/A by N-1562 to CERTIFICAT	Date N symbol e N Symbol e	expires 11-26-09 (Date) aleigh, NC on Raleigh, NC
onstruction of the ASMI ddenda Summer 19 igned Flow (N Cer ur ASME Certificate of Auth Design information Stress analysis report (Design specifications cer PE State	E Code for Nucle 976 , Code Case Note to Corp. Unificate Holder) norization No. on file at (Class 1 only) on file a ertified by (1) AZ	report are correct and pay Power Plant Correct And Pow	Date N symbol e N Symbol e N Symbol e N Symbol e N Symbol e N Symbol e N Symbol e N Symbol e N Symbol e N Symbol e N Symbol e N Symbol e N Symbol e N Symbol e N Symbol e N Symbol e N Symbol e N Symbol e	expires 11-26-09 (Date) aleigh, NC on Raleigh, NC
ddenda Summer 19 gned Flow (N Cerur ASME Certificate of Authors Design information Stress analysis report (Design specifications cerus per State Stress analysis certified by	E Code for Nucle 976 , Code Case Notes of Corp. Tificate Holder) Torization No. Ton file at (Class 1 only) on file at (Class 1 only) on file at (Class 1) AZ (1)	report are correct and pair Power Plant Connect Power Plant Connect Plan	Date N symbol e (N) ION OF DESIGN Flowserve Corporation R: Flowserve Corporation A. Bhattachary: 27603 T.C. Bartlett	expires 11-26-09 (Date) aleigh, NC on Raleigh, NC
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postruction of the ASMI deenda Summer 19 gned Flow (N Certur ASME Certificate of Author) Design information Stress analysis report (Design specifications certified by PE State	E Code for Nucle 976 , Code Case November Very Corp. Utilicate Holder) norization No. on file at (Class 1 only) on file at ertified by (1) AZ (1) PA est name only.	report are correct and pay Power Plant Cor. No. N/A by N-1562 to CERTIFICAT It Reg. No. Reg. No.	Date Date D	expires 11-26-09 Charles (972) (972
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onstruction of the ASMI ddenda Summer 19 igned Flow (N Cer Our ASME Certificate of Auth Design information Stress analysis report (Design specifications ce PE State Stress analysis certified by PE State Signature not required. List the undersigned, holding a verth Carolina and employee inspected the pump, or vertifier, the N Certificate Holder is signing this certificate neither is so particular and employee inspected the pump, or vertifier, the N Certificate Holder is signing this certificate neither is so particular and employee inspected the pump, or vertifier, the N Certificate Holder is signing this certificate neither is so particular and employee inspected the pump, or vertifier, the N Certificate Holder is so particular and employee inspected the pump, or vertifier, the N Certificate neither is so particular and employee inspected the pump, or vertifier, the N Certificate neither is so particular and employee inspected the pump, or vertifier, the N Certificate neither is so particular and employee inspected the pump, or vertifier, the N Certificate neither is so particular and employee inspected the pump, or vertifier, the N Certificate is so particular and employee inspected the pump, or vertifier, the N Certificate is so particular and employee inspected the pump, or vertifier and the N Certificate is so particular and employee is so particul	E Code for Nucle 976 , Code Case Note Proposition of the at (Class 1 only) on file at (Class 1	report are correct and pair Power Plant Coronal Power Plant Coronal Power Plant Coronal Power Plant Coronal Power Plant Coronal Power Plant Coronal Power Plant Coronal Power Plant Coronal Power Plant Power Plant Coronal Power Plant Power Power Plant Power Po	use the N symbol e (N) ION OF DESIGN Flowserve Corporation R: Flowserve Corporation A. Bhattachary: 27603 T.C. Bartlett 039036-E SHOP INSPECTION ard of Boiler and Pressure Vessel In CT (1 30166, and state cordance with ASME Code, Section by warranty, expressed or implied, or	expires 11-26-09 (Date) aleigh, NC on Raleigh, NC a inspectors and the State or Province of Hartford Connecticute that, to the best of my knowledge are all. concerning the equipment described in
onstruction of the ASMI ddenda Summer 19 igned Flow (N Cer Our ASME Certificate of Auth Design information Stress analysis report (Design specifications ce PE State Stress analysis certified by PE State Signature not required. List the undersigned, holding a verth Carolina and employee inspected the pump, or vertifier, the N Certificate Holder is signing this certificate neither is so particular and employee inspected the pump, or vertifier, the N Certificate Holder is signing this certificate neither is so particular and employee inspected the pump, or vertifier, the N Certificate Holder is signing this certificate neither is so particular and employee inspected the pump, or vertifier, the N Certificate Holder is so particular and employee inspected the pump, or vertifier, the N Certificate neither is so particular and employee inspected the pump, or vertifier, the N Certificate neither is so particular and employee inspected the pump, or vertifier, the N Certificate neither is so particular and employee inspected the pump, or vertifier, the N Certificate neither is so particular and employee inspected the pump, or vertifier, the N Certificate is so particular and employee inspected the pump, or vertifier, the N Certificate is so particular and employee inspected the pump, or vertifier, the N Certificate is so particular and employee is so particular	E Code for Nucle 976 , Code Case Note Proposition of the at (Class 1 only) on file at (Class 1	report are correct and pair Power Plant Coronal Power Plant Coronal Power Plant Coronal Power Plant Coronal Power Plant Coronal Power Plant Coronal Power Plant Coronal Power Plant Coronal Power Plant Power Plant Coronal Power Plant Power Power Plant Power Po	use the N symbol e (N) ION OF DESIGN Flowserve Corporation R: Flowserve Corporation A. Bhattachary: 27603 T.C. Bartlett 039036-E SHOP INSPECTION ard of Boiler and Pressure Vessel In CT (1 30166, and state cordance with ASME Code, Section by warranty, expressed or implied, or	expires 11-26-09 (Date) aleigh, NC on Raleigh, NC a inspectors and the State or Province of Hartford Connecticute that, to the best of my knowledge ar
Design information Stress analysis report (Design specifications ce PE State Stress analysis certified by PE State Signature not required. List the undersigned, holding a vertical process of any kind arising from or state 1/ 1 3 o 1 6 6	E Code for Nucle 976 , Code Case Note Proposition of the at (Class 1 only) on file at (Class 1	report are correct and ar Power Plant Correct and Powe	use the N symbol e (N) ION OF DESIGN Flowserve Corporation R. Flowserve Corporation A. Bhattachary: 27603 T.C. Bartlett 039036-E SHOP INSPECTION and of Boiler and Pressure Vessel In CT (I) 1 3 5 1 6 6 , and state cordance with ASME Code, Section by warranty, expressed or implied, contains the liable in any manner for any	expires 11-26-09 (Date) aleigh, NC on Raleigh, NC a inspectors and the State or Province of Hartford Connecticute that, to the best of my knowledge are all. concerning the equipment described in
Design information Stress analysis report (Design specifications ce PE State Stress analysis certified by PE State Signature not required. List the undersigned, holding a verth Carolina and employers inspected the pump, or vertief, the N Certificate Holder versigning this certificate neith	E Code for Nucle 976 , Code Case Note Proposition of the at (Class 1 only) on file at (Class 1	report are correct and pair Power Plant Coronal Power Plant Coronal Power Plant Coronal Power Plant Coronal Power Plant Coronal Power Plant Coronal Power Plant Coronal Power Plant Coronal Power Plant Power Plant Coronal Power Plant Power Power Plant Power Po	use the N symbol e (N) ION OF DESIGN Flowserve Corporation R. Flowserve Corporation A. Bhattachary: 27603 T.C. Bartlett 039036-E SHOP INSPECTION and of Boiler and Pressure Vessel In CT (I) 1 3 5 1 6 6 , and state cordance with ASME Code, Section by warranty, expressed or implied, contains the liable in any manner for any	expires 11-26-09 (Date) aleigh, NC on Raleigh, NC a respectors and the State or Province of Hartford Connecticulate that, to the best of my knowledge are III. concerning the equipment described in personal injury or property damage or

Material Spec. No.

ASME SECTION XI - REPAIR / REPLACEMENT Page 1. Component ID BS-08604 2.. Item Description: Main Steam Safety Valve: Dresser - 6"- 3707RAX-RT-25 1315 psig 3. N-5 Data Package Number: 1SG01-6 4. W.O. Number: 2945305 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. Based upon inspection results, may replace code parts using other spare valves or from approved spare parts. 8. SI ISI Flaw NDE Method of Flaw Detection: N/A Report Number: N/A 9. Evaluation of the suitability of this work as per the requirements of IWA - 4150: Not a failure of the ASME III pressure boundary. The disc will be replaced with a preoxidized ASME SD637 or ASTM B637 Incomel X-750 material to enhance performance. Other parts will be replaced based upon inspection results. 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 ⊠ NO 14. Preservice Inspection Required: T YES If required, include a step in the W.O. to perform Preservice Inspection 15. ASME Section XI Pressure Test Required: . ☐ YES \bowtie NO Initial Death Date 3-30-07 If required, include a step in the W.O. for ISI & ANII Inspection. 16. Include a step in the W.O. to verify NIS-2 Form has been completed by __ Date 3-30-07 ISI & ANII prior to approving INP525 Status. 17. Include a step in the W.O. to record below all applicable numbers for _ Date 3-30-07 replacement items. Item ID Serial No. Heat No. MR/PO/WO No. Part No. PO # MR 500 238 999 ADH-30 Disc APN 00064290 N/A Printed Name: DAVID M, GOODE 3-30-07 18. Planner Printed Name: WILEY AHLSTROM Log Entry Wig Signature

4-10-07

Date

Signature

20. ANII

Printed Name: _ ROBERT G. HOGSTROM

	ASME SECTION	XI – REPAIR / REP		2 "					
			Pa	ge 2 of 4					
1. Component ID BS-086				• .					
	n Steam Safety Valve: Dresse								
3. N-5 Data Package Numb		4. W.O. Number:	<u>2945305</u>						
· ·	ode Edition: 1974 Edition,								
_	de Edition: 1974 Edition, V								
us	7. Work Description: Maintenance overhaul and testing of spare valve. Based upon inspection results, may replace code parts using other spare valves or from approved spare parts. Will be installed at 1JSGEPSV0 ⁵⁷⁵ location under wo# 2894829.								
8. 🔲 ISI Flaw		NDE Method of Flaw D Report Number: N/A	Petection: N/A						
9. Evaluation of the suitab	ility of this work as per the re	•) :						
	ME III pressure boundary. T	•		E SD637 or ASTM					
	aterial to enhance performan	-							
e :		.·							
10. Repair/Replacement W	ork Organization: NWS Te	echnologies		:					
11. Replacement Items Co	nstruction or reconciled Code	e/Edition: Sec. III Cl 2, 1	974 Edition Summer 19	975 Addenda					
12. Repair/Replacement A	ctivity Construction Code/Ed	lition: Sec. III Cl 2, 1974	Edition 1975 Winter A	Addenda					
13. ASME Section XI Cod	e/Edition: 1992 Edition as	nd 1992 Addenda							
14. Preservice Inspection F	Required:	☐ YES ⊠ NO							
Initial Oung Date	5-11-07 If required	I, include a step in the W.C), to perform Preservice	e Inspection					
15. ASME Section XI Pres		☐ YES ⊠ NO		1					
	•	I, include a step in the W.C		ction					
Initial Date _	5-1)-29 micquirec	-	<u>-</u>						
Initial Day 9 Date 2	5-11-27 16. Include ISI &	de a step in the W.O. to ver ANII prior to approving II	•	en completed by					
Initial Dung Date		le a step in the W.O. to recement items.	ord below all applicabl	e numbers for					
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.					
Disc	APN 00064290	ADH-29	N/A	MR 500 238 999					
	· ·	,							
				<u> </u>					
	· · ·								
				·					
18. Planner David	m Doublet 5.	11-07 Printed Name	DAVID M.	GODDLET					
Signature	/	Date /		•					
19. ISI Signature		Printed Name:	R.P.IND	AP Log Entry RPP					
20 ANII 25 Ax	trone C-1	S-07 Printed Name	ROBERT G. H	oastrom					
20. ANII Signature		Date Printed Name:	700071	·					

ASME SECTION XI – REPAIR / REPLACEMENT of 4 Page 1. Component ID BS-08602 2.. Item Description: Main Steam Safety Valve: Dresser - 6" - 3707RAX-RT-25 1315 psig 3. N-5 Data Package Number: 1SG 4. W.O. Number: 2945305 5. Original Construction Code Edition: 1974 Edition, Summer 1975 Addenda 6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda Maintenance overhaul and testing of spare valve. Based upon inspection results, may replace code parts 7. Work Description: using other spare valves or from approved spare parts. Will be installed at 1JSGEPSV0 self-ocation under wo# 2894829. 8. ISI Flaw NDE Method of Flaw Detection: N/A Report Number: N/A 9. Evaluation of the suitability of this work as per the requirements of IWA - 4150: Not a failure of the ASME III pressure boundary. The disc will be replaced with a preoxidized ASME SD637 or ASTM B637 Inconel X-750 material to enhance performance. Other parts will be replaced based upon inspection results. 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 \bowtie NO Initial Day 5 Date 5-11-17 If required, include a step in the W.O. to perform Preservice Inspection 15. ASME Section XI Pressure Test Required: ☐ YES \boxtimes NO If required, include a step in the W.O. for ISI & ANII Inspection. Initial New Date 5-11-DT 16. Include a step in the W.O. to verify NIS-2 Form has been completed by Initial Das Date 5-11-09 ISI & ANII prior to approving INP525 Status. 17. Include a step in the W.O. to record below all applicable numbers for Initial Jeg 5 Date 5-11-07 replacement items. MR/PO/WO No. Item ID Part No. Serial No. Heat No. MRPD#500238999 ADE-76 APN 00064290 N/A Disc Printed Name: DAVID M. GOODLET 18. Planner Signature Printed Name: PINDAP Log Entry 19. ISI

5-15-07

Date

20. ANI

Signature

Printed Name: _ ROBERT G. HOGSTROM

•	ASME SECTION	XI – REPAIR / REP	LACEMENT					
			Pa	age <u> </u>				
1. Component ID BT-01679								
2 Item Description: Main S	Steam Safety Valve: Dresse	er - 6"- 3707RAX-RT-25	1315 psig					
3. N-5 Data Package Number	: <u>1SG</u>	4. W.O. Number:	2945305					
5. Original Construction Code Edition: 1974 Edition, Summer 1975 Addenda								
6. Original Installation Code		Vinter 1975 Addenda						
	ntenance overhaul and testing other spare valves or from							
	2894829.	ii appioved spare paris. Wi	il de listaned at 1350L	2 3 vo location under				
8. 🔲 ISI Flaw		NDE Method of Flaw D	etection: N/A					
•	Report Number: N/A							
9. Evaluation of the suitabilit	y of this work as per the re	equirements of IWA - 4150):					
Not a failure of the ASM	E III pressure boundary. Th	he disc will be replaced wi	th a preoxidized ASMF	SD637 or ASTM				
B637 Inconel X-750 mate	erial to enhance performan	ce. Other parts will be repl	aced based upon inspec	ction results.				
÷			·					
				×				
10. Repair/Replacement Wor	k Organization: <u>NWS Te</u>	echnologies						
11. Replacement Items Cons		***************************************						
12. Repair/Replacement Acti			Edition 1975 Winter A	Addenda				
13. ASME Section XI Code/	Edition: 1992 Edition as	nd 1992 Addenda		. /				
14. Preservice Inspection Rec	quired:	☐ YES ☐ NO						
Initial Dung Date 5	-11-07 If required	l, include a step in the W.C). to perform Preservice	e Inspection				
15. ASME Section XI Pressu	re Test Required:	☐ YES ⊠ NO)					
Initial Rug Date 5	-11-07 If required	I, include a step in the W.C). for ISI & ANII Inspe	ction.				
		le a step in the W.O. to ver						
Initial Pung Date 5	-11-07 ISI &	ANII prior to approving II	•	en completed by				
On a	od 17 Includ	le a step in the W.O. to rec	ord helow all applicabl	e numbers for				
Initial Mag Date 5	replace	ement items.	ord below all applicable					
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.				
Disc	APN 00064290	ADH 32	N/A	PO# MR 500238999				
	·	 	 					
				·				
10 Di Dad	Dovolt 5.11.	.07	DAILE H	GOODIST				
18. Planner Signature		Date Printed Name	: DAVID M.	GEODES				
APPANO.	20 Elie	O Printed Name	PP TIT	10 arch				
19. ISI Signature	7	Timed Name.	1/1, TUD.	AP Log Entry TPD				
	U	Date						
20. ANII Zy trom	······································	Printed Name:	ROBERT C. H	loastrom				
Signature	Ω	Date		•				

	1						7 43 405 33 400 - 27 7 7 7	
1. Owner: Arizon	na Public Service (Company, et. al.		, I	Date: <u>6/1</u>	1/2007		
<u>P. O. I</u>	30x 53999, Phoeni	x Arizona 85072-20	<u>)34</u>	S	Sheet:	<u>1</u> of <u>3</u>	*.	
2. Plant: Palo V	erde Nuclear Gene	erating Station		Ţ	Unit: <u>1</u>			
5801 South Wintersburg Road., Tonopah, Arizona 85354-7529 Work Order Number 2945305								
3. Work Performe	3. Work Performed by: <u>NWS Technologies</u> Type of Code Stamp <u>None</u>							
		•		P	Authorizat	tion No.	N/A	
,				F	Expiration	Date <u>N/</u>	A -	
4. Identification o	f System: SG-Main	n Steam System						
5. (a) Applicable	Construction Code 2	ASME Section III NC	., Class 2	<u>1974</u> Edition,	. <u>Summer</u>	<u>1975</u> Add	enda, Co	de Case
(b) Applicable	Edition of Section >	KI Utilized for Repairs	s or Replace	ments: 199	2 Edition,	, 1992 Add	denda	, .
6. Identification of	f Components Repai	red or Replaced and I	Replacement	. Components	3			
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	Dresser	BS-08604	N/A	1JSGEPSV	0692	1980	Repaired	YES
Disc	Dresser	ADH-30	N/A	BS-08604		2001	Replacement	NO
Valve	Dresser	BS-08603	N/A	1JSGEPSV	0575	1980	Repaired	YES
Disc	Dresser	ADH-29	N/A	BS-08603		2001	Replacement	NO
	1					,		
			·					
7. Description of V	Vork: Overhaul ar	nd test four (4) spare	e Main Stea	ım Safety V	alves.	<u> </u>		
8. Test Conducted:	Hydrostatic	Pneumatic] Nomi	inal Operating	g Pressure	; 🔲 I	Exempt 🛛	
N-4	116-2 Other	Pressure psi	I		Test Tem	perature	°F	
•				<i>2</i> ** •	ì			
inches, (2) info	rmation in items 1	orm of lists, sketche thru 6 on this reported at the to of this f	rt is include					

As Required by the Provisions of the ASME Code Section XI

1. Owner: Arizona Public Service Company, et. al. Date: 6/11/2007								
<u>P. O. F</u>	30x 53999, Phoeni	x Arizona 85072-20	034		Sheet:	<u>2</u> of <u>3</u>	٠.	
2. Plant: Palo V	erde Nuclear Gene	erating Station			Unit: <u>1</u>			-
<u>5801 S</u>	5801 South Wintersburg Road., Tonopah, Arizona 85354-7529 Work Order Number 2945305							
3. Work Performed by: <u>NWS Technologies</u> Type of Code Stamp <u>None</u>								
	Authorization No. <u>N/A</u>							
					Expiration	Date <u>N</u> /	'A	
4. Identification of	f System: <u>SG- Mair</u>	n Steam System						
5. (a) Applicable	Construction Code A	ASME Section III NC	C. Class 2	<u>1974</u> Editio	n, <u>Summer</u>	<u>1975</u> Add	enda, Co	de Case
(b) Applicable	Edition of Section >	(I Utilized for Repair	s or Replace	ments: 19	92 Edition.	, 1992 Add	denda	
6. Identification of	f Components Repai	red or Replaced and I	Replacement	Componer	nts			<u>/ </u>
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	1	her ication	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)
Valve	Dresser	BS-08602	N/A	1JSGEPS	V0557	1980	Repaired	YES
Disc	Dresser	ADE-76	N/A	BS-08602		2001	Replacement	NO
Valve	Dresser	BT-01679	N/A	1JSGEPS	V0694	1979	Repaired	YES
Disc	Dresser	ADH-32	N/A	BT-01679		2001	Replacement	NO
有								
			,					
7. Description of V	Vork: Overhaul an	nd test four (4) spare	e Main Stea	ım Safety	Valves.			
8. Test Conducted:	: Hydrostatic	Pneumatic [Nomi	nal Operati	ng Pressure	e 🔲 🗆 1	Exempt 🛛	
N-4	N-416-2 Other Pressure psi Test Temperature °F							
		orm of lists, sketche thru 6 on this repo		-				

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

FORM NIS-2 (Ba	ack)	(Back))
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9	. Remarks: Work order# 2945305 for off-site disassembly, reconditioning and testing of four (4) spare Main Steam Safety Valves, S/N BS-08604, BS-08603, BS-08602 and BT-01679. These spare valves will be installed at 1JSGEPSV0692, 694, 557 & 575 under wo# 2894829 during 1R13 refueling outage. The new type (material) disc will be installed during rebuild at NWS.	
P	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 StampN/A	
	Certificate of Authorization No. N/A Expiration Date: N/A	
	Signed: Phodap, ISI Engineer Date: 6-12-2007 Owner or Owner's Designee, The	
<i>)</i> ·		
	CERTIFICATE OF INSERVICE INSPECTION	
	I, the undersigned, holding a valid commission issued by the National Board of boiler and Pressure Vessel Inspectors and the State or Province of <u>Arizona</u> and employed by <u>HSB CT</u> of <u>Hartford, Connecticut</u> , have inspected the components described in this Owner's report during the period of	
	examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.	
	By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.	
	Commissions: NB 9685 "N" "I" AZ264 Inspectors Signature National Board, State, Province, and Endorsements	-
	Date:	

PV216-08NI (8-88)

	ASME SECTION X	KI – REPAIR / REPL	ACEMENT	
	·		Pag	ge_l_of_l_
1. Component ID 1PSIEV1	44			
2 Item Description: <u>LPSI I</u>	Header Containment Penetra	tion Check Valve		
3. N-5 Data Package Number	r: <u>1RC01-5</u>	4. W.O. Number: 2	2945354	·
5. Original Construction Cod				· •
6. Original Installation Code				
7. Work Description: Rew	ork or replace the bonnet and			
8. 🗌 ISI Flaw		NDE Method of Flaw De	ection:	•
O. Evaluation of the anitabili	for of this moule so man the mo	Report Number:		
9. Evaluation of the suitabili			ct souther	K4 9 0
No ASME boundary fail	ure. Replacemen	THE COME	Sharp 12	lialac
,		1 7	-10 mg	113 (06
•			ida -	
10 0 10 10			- Any	
10. Repair/Replacement Wo	-		74 Edition 1075 Winto	n Addondo
11. Replacement Items Cons12. Repair/Replacement Act				
13. ASME Section XI Code/			dition 1973 Willer At	idenda
14. Preservice Inspection Re		☐ YES ☒ NO		4
Initial Jac Date 1		include a step in the W.O.	to perform Preservice	Inspection
15. ASME Section XI Pressu	•	X YES □ NO	to perioriii i reservice	mspection
		_	for ICI & ANII Inches	tion
Initial F. Date /		include a step in the W.O.	_	
Initial <u>Fo</u> Date <u>/</u>		a step in the W.O. to composite or permanent servic		to releasing the
Initial <u>J.D.</u> Date 1:	17. Include replacement	a step in the W.O. to recont items.	d below all applicable	numbers for repaired or
Item ID	APAI Part No.	Serial No.	Heat No.	MR/PO/WO No
	145060195	Bonnet SN-15 Disc SN-11		We# 2934532
	> STATEMENTOF ALLEPTABILTY			
	PART# 76855			
	7000			
		,		
			i	
18. Planner Signature)		JAMES I.	DAVIS
19. ISI Pond	Paris 12-13	-06 Printed Name:	R.P. INDA	P Log Entry (1947)
Signature	Da		/ (· Log Liniy J
20. ANII 2/ Syttem	12-71	0-06 Printed Name:	R.C. HOGSTROM	· ·
Signature	Da	te Printed Name:	K.C. Bassan	
and the same states are the transformation of the same of the property of the same of the same of the same	and the state of t	and found to entrang in the Committee of the Committee of the company of the committee of the committee of the	An arrange for the state of the section of the sect	

As Required by the Provisions of the ASME Code Section XI

1. Owner: Arizona Public Service Company, et. al. Date: 06-16-2007							
<u>P. O. Bo</u>	x 53999, Phoenix	<u> Arizona 85072-20</u>)34	She	et: <u>1</u> of	<u>2</u>	٠,
2. Plant: Palo Ver	rde Nuclear Genera	ating Station		Uni	:: 1		•
5801 Son	uth Wintersburg Re	oad., Tonopah, A	rizona 85354	-7529 Wo	k Order Nur	nber 2945354	
3. Work Performed	by: <u>Arizona Public S</u>	ervice Co.		Тур	e of Code St	amp <u>None</u>	
	5801 S. Wintersb	urg Rd., Tonopah,	Arizona, 85354	<u>4-7529</u> Aut	norization Ne	o. <u>N/A</u>	
Expiration Date N/A							
4. Identification of S	System: Safety Injec	ction (SI)				4.	
5. (a) Applicable Co	onstruction Code AS	ME Section III NB	, Class 1	1974 Edition, W	<u>inter 1975</u> A	ddenda, <u>N/A</u> Cod	e Case
(b) Applicable E	dition of Section XI	Utilized for Repair	s or Replaceme	ents: 1992 Edit	ion, 1992 A	ddenda .	
6. Identification of C	Components Repaire	d or Replaced and I	Replacement C	omponents		/	/
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or NO)
12" Check Valve	Borg Warner	27608	. 747	1PSIEV144	1978	Repaired	Yes
Bonnet	Borg Warner	S/N 1	N/A	Ht # 2B62	1978	Replaced	Yes
Disc	Borg Warner	S/N 6	N/A	Ht # 2C19	1978	Replaced	Yes
Bonnet	Borg Warner	S/N 15	N/A	Ht # 3C64	N/A	Replacement	Yes
Disc	Borg Warner	S/N 11	N/A	Ht # 3L96	N/A	Replacement	Yes
		·					
	·						
7. Description of Wo	ork: Replaced the bo	nnet and disc asser	nbly with a ref	urbished assemb	oly		-
8. Test Conducted: I	Hydrostatic	Pneumatic	Nominal Oper	rating Pressure	∑ Exen	npt	6-2
Other	Pressi	ıre psi		Те	st Temperatu	ire°F	;
						:	
	nental sheets in for nation in items 1 th						

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

FORM NIS-2 (Back)

removed from valve 2PSIEV543 during U2R13 under W.O. 2863671 and refurbished under W.O. 2934532.	was
Pre-Pressure Test work order 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 StampN/A	
Certificate of Authorization No. N/A Expiration Date: N/A	
Signed: All Suc Date: 7-1-07	.
Owner of Owner's Designee, Thie	/.
	-
	·
CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of boiler and Pressure Ves Inspectors and the State or Province of <u>Arizona</u> and employed by <u>HSB CT</u> of <u>Hartford, Connecticut</u> , has inspected the components described in this Owner's report during the period of 12-20-06 to 17-6-07, and state that to the best of my knowledge and belief, the Owner has perform examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.	ive ied
By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implication 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 of loss of any kind arising from or connected with this inspection. Commissions: NB 9685 "N" "I" AZ264	ner
Inspectors Signature Confirms Stories. 14B 9063 11 1 A7264 National Board, State, Province, and Endorsement	:nts
Date: 7-6-07	

PV-E0092 Ver. 7 Back

	ASME SECTION 2	XI – REPAIR / REPL		
	. Kanala and Alamana and Alamana		Pag	ge of
Component ID <u>1PSIEV54</u> Item Description: <u>HPSI/I</u> N. S. P. B. D. D. D. D. D. D. D. D. D. D. D. D. D.	PSI Header Loop Injection		045297	
 N-5 Data Package Number Original Construction Cod 		4. W.O. Number: 2	945386	
6. Original Installation Code				
7. Work Description: Rew			eat leakage	-
8. 🗌 ISI Flaw		NDE Method of Flaw Det		
		Report Number:	·	
9. Evaluation of the suitabilit	y of this work as per the rec	quirements of IWA - 4150:		
No ASME boundary fail	<u>ıre</u>			
			•	
٠. <u>ــــ</u> ــــــــــــــــــــــــــــــــ			,	•
10. Repair/Replacement Wor			14 T 12 1075 117 .	4.17
11. Replacement Items Cons12. Repair/Replacement Acti				
13. ASME Section XI Code/			attion 1973 Willer A	udenda
14. Preservice Inspection Rec	1.	☐ YES 🖾 NO		
	•		A	Turner et le e
Initial J.O Date /	If required,	include a step in the W.O. YES NO	BONNET NOT	Replaced
15. ASME Section XI Pressu				1/1/10/1
Initial J. O Date /	5-9-06 If required,	include a step in the W.O.	for ISI & ANII Inspec	tion. // 3/07
Initial J.D Date	1 5 1 / 1 -	e a step in the W.O. to comp for permanent service or po	_	r to releasing the
Initial T.10 Date 1	J-9-06 17. Include replacemen	e a step in the W.O. to recont items.	d below all applicable	numbers for repaired or
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
Flem 19 00.62 6-6-0		*		011926250 Del
Discond Stud Assy	45021077	S/N 6		01192625
188° (
		,		
				
			<u> </u>	
18. Planner	Da- 13	-9-06 Printed Name:	JAMES I.	DAVIS
Signature	D	ate		
19. ISI (Attorda	P 12/a	10/66 Printed Name:	R.P.INDAP	Log Entry RAP
Signature /	J D	ate		
20. ANII The Agricon	12-2	Printed Name:	R.G. Houst	ROM
Signature	. D	ate	-	,
PV216-08NI (8-88)		and the control of th	Children and Commercial Commercia	PROPERTY OF AN AREA STORY OF THE PROPERTY OF T

The state of the s	as a Section - Philippe	Processing and the second seco		16 s	سسية التبادات			(
1. Owner: <u>Arizona</u>	Public Service Co	mpany, et. al.		i	Date: 06-14-2007			
<u>P. O. Bo</u>	x 53999, Phoenix A	<u>Arizona 85072-20</u>	<u>)34</u>		Sheet: $\underline{1}$ of $\underline{2}$			
2. Plant: Palo Ver	rde Nuclear Genera	ating Station			Unit:	1		~
<u>5801 So</u> ı	uth Wintersburg Ro	oad., Tonopah, Aı	<u>rizona 85354-</u>	7529	Work	Order Num	nber 2945386	
3. Work Performed by: <u>Arizona Public Service Co.</u> Type of Code Stamp None						. ·		
	5801 S. Wintersb	urg Rd., Tonopah, A	Arizona, 85354	<u>1-7529</u>	Autho	rization No	o. <u>N/A</u>	
,		•			Expira	ation Date	<u>N/A</u>	
4. Identification of S	System: Safety Injec	ction (SI)						
5. (a) Applicable Co	onstruction Code AS	ME Section III NB	, Class 1	974 Editic	on, <u>Win</u> t	ter 1975 Ac	ddenda, <u>N/A</u> Cod	e Case
(b) Applicable Ed	dition of Section XI	Utilized for Repairs	s or Replaceme	ents: <u>1992</u>	! Editio	n, 1992 A	ddenda	
6. Identification of C	Components Repaired	d or Replaced and F	Replacement C	omponents	s			
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)
12" Check Valve	Borg Warner	31970	1001	1PSIE	EV541	1978	Repaired	Yes
Disc - removed	Borg Warner	S/N 7.	N/A	Ht # 20	G66	N/A	Replaced	Yes
Disc - installed	Borg Warner	R/S 216313 S/N 6	N/A	N/A	A	1991	Replacement	Yes
			ŕ					
7. Description of Wo	ork: Replaced the bo	onnet and disc asser	mbly with a ne	w assembly	у			
8. Test Conducted: 1	Hydrostatic	Pneumatic	Nominal Oper	rating Pres	sure [] Exem	npt 🛭 N-416	6-2
Other	r Press	oure psi			Test	Temperatu	ire°F	•
	• •		. *					
	nental sheets in for mation in items 1 tl							
	eets is recorded at t				,			

9. W.O. 2945386 replaced disc on valve 1PSIEV541

ent con	nforms to the rules of
Date:	N/A
Date:	6/14/07
	•

CERTIFICATE OF INSERVICE INSPECTION

1, the undersigned, holding a valid commission issued	by the National Board of boiler and Pressure Vessel
Inspectors and the State or Province of Arizona and em	
inspected the components described in this Owner's re	
to, and state that to the best of	
examinations and taken corrective measures describe	ed in this Owner's Report in accordance with the
requirements of the ASME Code, Section XI.	4.
By signing this certificate, neither the Inspector nor his concerning the examinations and corrective measures d the Inspector nor his employer shall be liable in any maloss of any kind arising from or connected with this insp	lescribed in this Owner's report. Furthermore, neither anner for any personal injury or property damage or a
Inspectors Signature	Commissions: NB 9685 "N" "I" AZ264 National Board, State, Province, and Endorsements

	ASME SECTION X	II – REPAIR / REPL	ACEMENT	
			Pa	geof
1. Component ID <u>1PSIEV5</u> 4	13		1.	
2 Item Description: HPSI/I				
3. N-5 Data Package Number		4. W.O. Number: <u>2</u>	945392	
5. Original Construction Cod				
6. Original Installation Code				
7. Work Description: <u>Rew</u>8. ☐ ISI Flaw	ork or replace the bonnet and	NDE Method of Flaw Det		
0. [] 131 1 1aw _		Report Number:		
9. Evaluation of the suitabilit	y of this work as per the requ			
No ASME boundary failt				•
		,		
			•	
				•,
10. Repair/Replacement Wor	k Organization: Arizona P	ublic Service	•	
11. Replacement Items Const			4 Edition 1975 Winte	er Addenda
12. Repair/Replacement Acti				
13. ASME Section XI Code/	*			
14. Preservice Inspection Rec	quired: [☐ YES 🖾 NO		•.
Initial Jin Date 1	2-9-06 If required,	include a step in the W.O. (o perform Preservice	Inspection
15. ASME Section XI Pressu	re Test Required:	include a step in the W.O. to YES $\frac{12 L 13}{436}$ NO	BONNET NOT 31MT-927.17	Step 4-7.5
Initial Jip Date 1	***	include a step in the W.O.		
Initial Too Date 1.	=) (a step in the W.O. to comp for permanent service or po	_	r to releasing the
Initial Jo Date /	2-9-06 17. Include replacement	a step in the W.O. to recorditems.	d below all applicable	numbers for repaired or
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
Disc	45021077	SN-9		2990288
				1
				
				· · · · · · · · · · · · · · · · · · ·
	15	2 N		
18. Planner Signature	Da Da	3-66 Printed Name: _		
Pho			PDF	
19. ISI 500C		6-06 Printed Name:	NI ANDY	Log Entry KAX
Signature) Da		,	*
20. ANII 74 4 to	n 12-20-	Printed Name:	R.G. HOLSTRON	4
Signature	Da [.]		of waste of the Carte Ca	And the second s

1. Owner: Arizona Public Service Company, et. al. Date: 06-16-2007							
P. O. Box 53999, Phoenix Arizona 85072-2034 Sheet: 1 of 2							
2. Plant: Palo Verde Nuclear Generating Station Unit: 1							
5801 Sou	th Wintersburg Ro	oad., Tonopah, Ar	rizona 85354-	<u>7529</u> Wo	rk Order Num	iber 2945392	
3. Work Performed t	y: Arizona Public S	ervice Co.		Тур	e of Code Sta	mp <u>None</u>	
	5801 S. Wintersb	urg Rd., Tonopah,	Arizona, 85354	-7529 Aut	horization No	. <u>N/A</u>	
				Exp	oiration Date	N/A	
4. Identification of S	ystem: Safety Injec	ction (SI)		,		<u>;</u>	
5. (a) Applicable Co	onstruction Code <u>AS</u>	ME Section III NB	, Class 1 1	974 Edition, <u>W</u>	inter 1975 Ac	ldenda, <u>N/A</u> Cod	e Case
(b) Applicable Ed	dition of Section XI	Utilized for Repairs	s or Replaceme	nts: <u>1992 Edi</u>	tion, 1992 A	ddenda	
6. Identification of C	Components Repaired	d or Replaced and F	Replacement C	omponents			
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired or Replacement	ASME Code
**************************************			·			•	Stamped (Yes or NO)
12" Check Valve	Borg Warner	31971	1017	1PSIEV543	1978	Repaired	Yes
Disc	Borg Warner	S/N 12	N/A	Ht # 2G69	N/A	Replaced	Yes
Disc	Borg Warner	S/N 9	N/A	Ht # 2G68	N/A	Replacement	. Yes
						# L	
						÷	
7. Description of Wo	ork: Replaced the di	sc.					
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt N-416-2							
Other	Press	ure psi	·	T	est Temperatu	ıre °F	
		i.					
inches, (2) inform	nental sheets in for mation in items 1 t eets is recorded at	hru 6 on this repo	rt is included	•	•		

during U2R13 under W.O. 2721742 and refurbished under	· W.O. 2990288.
re-Pressure Test work order review - ISI :ANII :	1)A
Certificate o	of Compliance
We certify that the statements made in the report are of the ASME Code, Section XI.	
Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Signed: Owner or Owner's Designee, Title	•
1, the undersigned, holding a valid commission issue	d by the National Board of boiler and Pressure Vessel mployed by HSB CT of Hartford, Connecticut, have
inspected the components described in this Owner's reto, and state that to the best	

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

1. Component ID PSIEV225 2. Item Description: STT2B Discharge Check Valve 3. N-5 Data Package Number: IRCDI-IC 3. N-5 Data Package Number: IRCDI-IC 4. W.O. Number: 2945394 5. Original Construction Code Edition: 1974 Edition, Winter 1975 Addenda 6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda 7. Work Description: Rework or replace the bonnet and disc assembly to correct seat leakage NDE Method of Flav Detection: Report Number: 9. Evaluation of the suitability of this work as per the requirements of IWA - 4150: NO ASME boundary failure 10. Repair/Replacement Work Organization: Arizona Public Service 11. Replacement Herms Construction or reconciled Code/Edition: Sec. III C11, 1974 Edition 1975 Winter Addenda 12. Repair/Replacement Activity Construction Code/Edition: Sec. III C11, 1974 Edition 1975 Winter Addenda 13. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 14. Preservice Inspection Required: YES NO No Initial		ASME SECTION X	I – REPAIR / REPL	ACEMENT	,
2. Item Descriptions: ST 2B Discharge Check Valve 3. N-5 Data Package Number: IRC01-IC 4. W.O. Number: 2945394 5. Original Construction Code Edition: 1974 Edition, Winter 1975 Addenda 6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda 7. Work Description: Rework or replace the bonnet and disc assembly to correct seat leakage NDE Method of Flav Detection: Report Number: 9. Evaluation of the suitability of this work as per the requirements of IWA - 4150; No ASME boundary failure 10. Repair/Replacement Work Organization: Arizona Public Service 11. Replacement Items Construction or reconciled Code/Edition: Sec. III C1 1, 1974 Edition 1975 Winter Addenda 12. Repair/Replacement Activity Construction Code/Edition: Sec. III C1 1, 1974 Edition 1975 Winter Addenda 14. Preservice Inspection Required: YES NO Initial J. Date 2.2.C. If required, include a step in the W.O. to perform Preservice Inspection 15. ASME Section XI Pressure Test Required: YES NO Initial J. Date 2.3.C. If required, include a step in the W.O. for IS1 & ANII Inspection. Initial J. Date 2.3.C. If required, include a step in the W.O. to complete NIS-2 Form prior to releasing the component for permanent service or power operation. Initial J. Date 2.3.C. If required, 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. Bannel Mary Disc 2x53 W Sept 2177 45060170 Printed Name: R. P. INDAP Log Entry Date Date Construction Date Construction Printed Name: R. C. Heast Ren 19. ISI Planner Signature Date Construction Date Construction Printed Name: R. C. Heast Ren 20. ANII 20.4. Edition Printed Name: R. C. Heast Ren 21. ANII 20.4. Edition Printed Name: R. C. Heast Ren 22. ANII 20.4. Edition Printed Name: R. C. Heast Ren 23. ANII 20.4. Edition Printed Name: R. C. Heast Ren 24. ANII 20.4. Edition Printed Name: R. C. Heast Ren 25. Edition Printed Name: R. C. Heast Ren 26. ANII 20.4. Edition Printed Name: R. C. Heast Ren 27. ANII 20	and the second of the second second second second second second second second second second second second second		NO CONTROL OF THE PROPERTY OF	Page	eof
3. N.5 Data Package Number: IRCOL-IC 5. Original Construction Code Edition: 1974 Edition, Winter 1975 Addenda 7. Work Description: Rework or replace the bonnet and disc assembly to correct seat leakage 8. SIST Flaw NDE Method of Flaw Detection: Report Number: 9. Evaluation of the suitability of this work as per the requirements of IWA - 4150: No ASME boundary failure 10. Repair/Replacement Work Organization: Arizona Public Service 11. Replacement thems Construction or reconciled Code/Edition: Sec. III C11. 1974 Edition 1975 Winter Addenda 12. Repair/Replacement Activity Construction Code/Edition: Sec. III C11. 1974 Edition 1975 Winter Addenda 13. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 14. Preservice Inspection Required: 15. ASME Section XI Pressure Test Required: 16. 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 component for permanent service or power operation. 16. Include a step in the W.O. to record below all applicable numbers for replacement items. 17. Include a step in the W.O. to record below all applicable numbers for replacement items. 18. Planner Signature 19. Secrial No. Secrial No. MR/PO/WO No. Secrial No. MR/PO/WO No. Secrial No. Secrial No. MR/PO/WO No. Secrial No. MR/PO/WO No. Secrial No. Secrial No. MR/PO/WO No. Secrial No. Secrial No. MR/PO/WO No. Secrial No. MR/PO/WO No. Secrial No. Secrial No. MR/PO/WO No. Secrial No. Secrial No. MR/PO/WO No. Secrial No. Secrial No. MR/PO/WO No. Secrial		·			
5. Original Construction Code Edition: 1974 Edition, Winter 1975 Addenda 6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda 7. Work Description: Rework or replace the bonnet and disc assembly to correct seat leakage 8. ☐ ISI Flaw NDE Method of Flaw Detection: Report Number: 9. Évaluation of the suitability of this work as per the requirements of IWA - 4150: NO ASME boundary failure 10. Repair/Replacement Work Organization: Arizona Public Service 11. Replacement Items Construction or reconciled Code/Edition: Sec. III Cl. 1, 1974 Edition 1975 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 Initial ☐ Date ☐ -9 - CG If required, include a step in the W.O. to perform Preservice Inspection. 15. ASME Section XI Pressure Test Required: ☐ YES ☐ NO Initial ☐ Date ☐ -9 - CG If required, include a step in the W.O. to complete NIS-2 Form prior to releasing the component for permanent service or power operation. 16. Include a step in the W.O. to record below all applicable numbers for repaired or replacement items. 17. Include a step in the W.O. to record below all applicable numbers for repaired or replacement items. 18. Planner ☐ Signature ☐ Date ☐ Printed Name: ☐ Pri					
6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda 7. Work Description: Rework or replace the bonnet and disc assembly to correct seat leakage NDE Method of Plaw Detection: Report Number: 9. Evaluation of the suitability of this work as per the requirements of IWA - 4150: No ASME boundary failure 10. Repair/Replacement Work Organization: Arizona Public Service 11. Replacement Items Construction or reconciled Code/Edition: Sec. III C1 1, 1974 Edition 1975 Winter Addenda 12. Repair/Replacement Activity Construction Code/Edition: Sec. III C1 1, 1974 Edition 1975 Winter Addenda 13. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 14. Preservice Inspection Required: YES NO Initial J. Date 2 2 5 If required, include a step in the W.O. to perform Preservice Inspection 15. ASME Section XI Pressure Test Required: YES NO Initial J. Date 2 5 0 If required, include a step in the W.O. for ISI & ANII Inspection, 16. Include a step in the W.O. to complete NIS-2 Form prior to releasing the component for permanent service or power operation. 17. Include a step in the W.O. to record below all applicable numbers for repaired or replacement items. 18. Planter Date 3 5 0 Form Prior Secretary Printed Name: 19. Include A Secretary Printed Name: 19.	_			945394	
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10. Repair/Replacement Work Organization: Arizona Public Service 11. Replacement Items Construction or reconciled Code/Edition: Sec. III Cl 1, 1974 Edition 1975 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 1. Initial Image: No If required, include a step in the W.O. to perform Preservice Inspection 15. ASME Section XI Pressure Test Required: YES NO 1. Initial Image: No If required, include a step in the W.O. to complete NIS-2 Form prior to releasing the component for permanent service or power operation. 16. Include a step in the W.O. to record below all applicable numbers for repaired or replacement items. 17. Include a step in the W.O. to record below all applicable numbers for repaired or replacement items. 18. Planner Signature Date Printed Name: The Name State of Printed Name: P. In DAP Log Entry Date Signature Date Printed Name: R. A. Hassingham 19. ISI Planner Signature Date Printed Name: R. A. Hassingham 19. ISI Planner R. A. ANII Reported Name: R. A. Hassingham 10. Arizonal Printed Name: R. A. Hassingham 11. A. Date Repair/Replacement Addenda 12. 20. OF Printed Name: R. A. Hassingham 13. Planner R. A. Hassingham 14. Preservice Inspection 1975 Winter Addenda 15. Addenda 1975 Winter Addenda 16. Include a step in the W.O. to record below all applicable numbers for repaired or replacement items. 17. Include a step in the W.O. to record below all applicable numbers for repaired or replacement items. 18. Planner Signature Date Printed Name: R. P. In DAP Log Entry Date 19. ISI Repair Replacement Addenda 19. ISI Repair Repair Replacement Arizona Printed Name: R. A. Hassingham 10. Anii Repair Repair Replacement Arizona Printed Name: R. A. Hassingham 10. Include a step in the W.O. to record below all applicable numbers for repaired or replacement items. 19. ISI Repair Repair Replacement Arizona Printed Name: Repai	8. [] 1S1 Flaw			ection:	
10. Repair/Replacement Work Organization: Arizona Public Service 11. Replacement Items Construction or reconciled Code/Edition: Sec. III C11, 1974 Edition 1975 Winter Addenda 12. Repair/Replacement Activity Construction Code/Edition: Sec. III C11, 1974 Edition 1975 Winter Addenda 13. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 14. Preservice Inspection Required: YES NO Initial Date - 7-06 If required, include a step in the W.O. to perform Preservice Inspection 15. ASME Section XI Pressure Test Required: YES NO Initial Date - 5-06 If required, include a step in the W.O. to rorson XI and Inspection. 16. Include a step in the W.O. to complete NIS-2 Form prior to releasing the component for permanent service or power operation. 17. Include a step in the W.O. to record below all applicable numbers for repaired or replacement items. 18. Planner Signature Date - 10 Sec. AND NOS Sec.	O Evaluation of the suitability	or of this would as more the way			
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11. Replacement Items Construction or reconciled Code/Edition: Sec. III Cl 1, 1974 Edition 1975 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 Initial Date 2-9-06 If required, include a step in the W.O. to perform Preservice Inspection 15. ASME Section XI Pressure Test Required: YES NO Initial Date 19-9-06 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 component for permanent service or power operation. 17. Include a step in the W.O. to record below all applicable numbers for repaired or replacement items. 18. Planner Signature Date 19-06 Printed Name: January 2x53 W W99121777 19. ISI PRADAP Log Entry ROW 10. Serial No. Printed Name: R. A. Houst and Log Entry ROW 19. ISI PRADAP Log Entry ROW 19. ISI PRADAP Log Entry ROW 10. Printed Name: R. G. Heast Row 19. ISI PRADAP Log Entry ROW 10. Printed Name: R. G. Heast Row 10. Printed Name: R. G. Heast Row 10. Printed Name: R. G. Heast Row	No ASME boundary failu	<u>ire</u>	,		
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13. ASME Section XI Code/Edition: 14. Preservice Inspection Required: 15. ASME Section XI Pressure Test Required: 16. Initial 1.0 Date 1.0 9.0 G	- '	· ·			
14. Preservice Inspection Required: YES NO				dition 1975 Winter Add	<u>denda</u>
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17. Include a step in the W.O. to record below all applicable numbers for repaired or replacement items. Item ID	Initial In Date /c				to releasing the
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Item ID Part No. Serial No. Heat No. MR/PO/WO No. Barred Arm Disc Serial Formatist Barred SN 10 580 19 Disc 2x58 W 29 2177 45060170 15 2x58 W 29 2177 18. Planner Signature Date Date Printed Name: R. P. INDAP Log Entry Policy 19. ISI Photon Date Printed Name: R. G. Houstrom	Initial J. Date L	5-9-06 replacement		d below all applicable i	numbers for repaired of
Bannel Ann Disc Bonnel SN 10 50 19 Disc 2x58 W 2912177 45060170 18. Planner Date 19. ISI Photo Date 12-20-06 Printed Name: R. A. Houstron 12-20-06 Printed Name: R. A. Houstron	Item ID	Part No	Serial No.	Heat No.	MR/PO/WO No.
18. Planner Ja Ja Sa Printed Name: Jianus I Davis 19. ISI Photo Date 19. ISI Photo Date 10. ANII 25 4 tom 12-20-06 Printed Name: R & Howstrom	· · · · · · · · · · · · · · · · · · ·			Bornet 2x58W	W.90 (2) 77
18. Planner Signature JS 900 Printed Name: JAMES To DAVIS 19. ISI Photop Signature Date 19. ANII 25 Lytem 12-20-06 Printed Name: R & Howstrom	GODAPI/ARM/ VISC	i i	135049 >N 10150 17	Disc 2X5/	2912111
18. Planner JS 906 Printed Name: JAMES I DAVIS 19. ISI Photogram 12-20-06 Printed Name: R. P. INDAP Log Entry Ports 20. ANII 25 James 12-20-06 Printed Name: R. G. Howstrom		45060170			
19. ISI PHOLOGY 12-20-06 Printed Name: R. G. Howstrom 19. ANII 75 from 12-20-06 Printed Name: R. G. Howstrom	**				·
19. ISI PHOLOGY 12-20-06 Printed Name: R. P. INDAP Log Entry RPR 20. ANII Reference 12-20-06 Printed Name: R. G. Howstrom		·			
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20. ANII 74 tom 12-20-06 Printed Name: R & Hoxstrom	→	Da	ite	<u> </u>	
20. ANII 74 tom 12-20-06 Printed Name: R & Hoxstrom) 12-5	.0-06 Printed Name:	K.P. INDAI	≥Log Entry RD
20. ANII Reference 12-20-06 Printed Name: R & Hoxestrom Date	Signature	1			
Signature Date	20 ANII 24 LE	12-20	-06 Drinted Name	R.G. Houston	1
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PV216-08NI (8-88)

73DP-9ZZ17 Rev 9

As Required by the Provisions of the ASME Code Section XI

1. Owner: Arizona Public Service Company, et. al.				Date	: 06-27-20	07	
P. O. Box 53999, Phoenix Arizona 85072-2034				Shee	t: <u>1</u> of	2	
2. Plant: <u>Palo Ver</u>	de Nuclear Genera	nting Station		Unit	: 1		
<u>5801 So</u>	uth Wintersburg Ro	oad., Tonopah, A	rizona 85354	<u>-7529</u> Wor	k Order Nur	mber 2945394	
3. Work Performed	by: <u>Arizona Public S</u>	ervice Co.		. Type	of Code St	amp <u>None</u>	
	5801 S. Wintersb	urg Rd., Tonopah,	Arizona, 85354	4-7529 Auth	orization No	o. <u>N/A</u>	
				Expi	ration Date	N/A	
4. Identification of S	ystem: Safety Injec	ction (SI)			:		
5. (a) Applicable Co	onstruction Code <u>AS</u>	ME Section III NB	, Class 1	1 <u>974</u> Edition, <u>Wi</u>	<u>nter 1975</u> A	ddenda, <u>N/A</u> Cod	e Case
(b) Applicable Ed	dition of Section XI	Utilized for Repair	s or Replaceme	ents: <u>1992 Edit</u>	on, 1992 A	Addenda	
6. Identification of C	Components Repaired	d or Replaced and I	Replacement C	omponents	•		
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or NO)
14" Check Valve	Borg Warner	26225	681	1PSIEV225	1977	Repaired	Yes
Bonnet	Borg Warner	S/N 2.	N/A	Ht # 2E76	N/A	Replaced	Yes
Disc	Borg Warner	S/N 8.	N/A	Ht # 2E69	N/A	Replaced.	Yes
Bonnet	Borg Warner	S/N 10	N/A	Ht # 2X58	N/A	Replacement	Yes
Disc	Borg Warner	S/N 19	N/A	Ht # 2X51	N/A	Replacement	Yes
	·			`			
7. Description of Wo	rk: Replaced the bo	nnet and disc asser	nbly with a ref	urbished assemb	ly		
8. Test Conducted: I	Hydrostatic [Pneumatic 🔲	Nominal Oper	rating Pressure	⊠ Exen	npt	5-2
Other	Pressu	psi	·	Tes	t Temperatu	re °F	
NOTE: Supplem	ental sheets in for	m of lists, sketche	es, or drawing	s may be used	provided (1) size is 8 ½ X	11 .

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)

 W.O. 2945394 replaced bonnet & disc asseremoved from valve 3PSIEV245 during U 				
Pre-Pressure Test work order review - ISI : ANII :	RLB 25 42	- 6/27/0	2	
C	ertificate of	Compliance		
We certify that the statements made in the ASME Code, Section XI.	the report are co	rrect and this rep	lacement confe	orms to the rules of
Type Code Symbol Stamp	N/A_			· · · · · · · · · · · · · · · · · · ·
Certificate of Authorization No.	<u>N/A</u>	Exp	iration Date: _	N/A
Signed: Juffer or Owner's	PR - ISI E Designee, Title	NG/NEER	Date: _	7/6/07
CERTIFICA	TE OF INSI	ERVICE INS	SPECTION	V
1, the undersigned, holding a valid con Inspectors and the State or Province of inspected the components described in to 7-6-07, and state examinations and taken corrective m requirements of the ASME Code, Section	Arizona and em this Owner's rep that to the best of easures describe	ployed by <u>HSB</u> port during the p of my knowledge	CT of Hartfo eriod of and belief, the	rd, Connecticut, have ・2-20-06 Owner has performed
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	ctive measures de liable in any ma	escribed in this Conner for any persocction. Commissions: 1	Owner's report sonal injury or	. Furthermore, neither property damage or a
Inspectors Signature Date: 7-6-07				

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

·	ASME SECTION	XI - REPAIR / REP	LACEMENT	
			Pag	geof
1. Component ID <u>1PSIEV22</u>	27	Trade of Court () Market () Trade of the Court () and the Court	are the second of the second o	at 17 Sept 18 (1906) etti 19 (1906) at seen alee Eristein Too at oli too in tii ja taleeta.
2 Item Description: SIT 2A	Discharge to RC Loop Cl	neck Valve	. 1	
3. N-5 Data Package Number	: <u>1RC01-1C</u>	4. W.O. Number:	<u>2945408</u>	
5. Original Construction Cod	e Edition: 1974 Edition,	Winter 1975 Addenda		·
6. Original Installation Code	Edition: 1974 Edition, W	Vinter 1975 Addenda		
7. Work Description: Rewo	ork or replace the bonnet a			
8. 🗌 ISI Flaw		NDE Method of Flaw D	Detection:	
O. Frankrich - Fake mileskille		Report Number:		
9. Evaluation of the suitabilit		equirements of TWA - 4130	<i>)</i> ;	
No ASME boundary failt	ire			
		,		
10. Repair/Replacement Wor			004 E 1	
11. Replacement Items Const				
12. Repair/Replacement Acti13. ASME Section XI Code/I	•	nd 1992 Addenda	Edition 1973 Winter Ac	idenda
14. Preservice Inspection Rec		∏ YES ⊠ NC		
<u> </u>	-			•
Initial J-10 Date Je	2.5-06 If required	I, include a step in the W.C). to perform Preservice	Inspection
15. ASME Section XI Pressu	re Test Required:)	
Initial J.O Date 1	J 4-06 If required	l, include a step in the W.C	o. for ISI & ANII Inspect	tion.
		le a step in the W.O. to cor	nplete NIS-2 Form prior	to releasing the
Initial J. Date 2	1 - 9 . (/6	t for permanent service or	•	<i>5</i>
- 13	17. Includ	le a step in the W.O. to rec	ord below all applicable	numbers for repaired or
Initial J.O Date 2	replacemen		••	•
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
Bannet/Arm/Disk Asson	45060170	Boing + Disk	301194 DISK 2X63 2X49	w 2822086
·				
		·		
	/-			
18. Planner Signature	fai 12.	9-06 Printed Name	James I.	BAVK
,	1.0	Jaie .	00-	
19. ISI RPINC			K. Y. INDA	P Log Entry RPZ
Signature /	, r	Date		
20. ANII 25 /2 Trans	12-20-	Printed Name:	R.G. HOGSTRO	⊶
Signature	·	Date		

PV216-08NI (8-88)

1. Owner: Arizona Public Service Company, et. al.				Date	06-16-20	07	
P. O. Box 53999, Phoenix Arizona 85072-2034				Shee	t: <u>1</u> of	2	
2. Plant: Palo Ve	rde Nuclear Gener	ating Station		Unit:	. 1		
5801 So	uth Wintersburg R	oad., Tonopah, A	rizona 85354	-7529 Worl	Order Nur	nber 2945408	
3. Work Performed	by: <u>Arizona Public S</u>	Service Co.		Туре	of Code St	amp <u>None</u>	
	. 5801 S. Wintersb	urg Rd., Tonopah,	Arizona, 85354	1-7529 Auth	orization N	o. <u>N/A</u>	
				. Expi	ation Date	<u>N/A</u>	÷
4. Identification of	System: Safety Injection	ction (SI)				. · · ·	
5. (a) Applicable C	onstruction Code <u>AS</u>	ME Section III NB	, Class 1	974 Edition, Wi	nter 1975 A	ddenda, <u>N/A</u> Cod	e Case
(b) Applicable B	dition of Section XI	Utilized for Repair	s or Replaceme	ents: 1992 Editi	on, 1992 A	<u>ddenda</u>	
6. Identification of 0	Components Repaire	d or Replaced and I	Replacement C	omponents			
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or
12" Check Valve	Borg Warner	26226	702	1PSIEV227	1977	Repaired	NO) Yes
Bonnet	Borg Warner	S/N 1	N/A	Ht # 2E76	1977	Replaced	Yes
Disc	Borg Warner	S/N 6	N/A	Ht # 2E69	1977	Replaced	Yes
Bonnet	Borg Warner	S/N 15	N/A	Ht # 2X63	1978	Replacement	Yes
Disc	Borg Warner	S/N 17	N/A	Ht # 2X49	1978	Replacement	Yes
	·					·	
7. Description of W	ork: Replaced the bo	onnet and disc asser	nbly with a ref	urbished assembl	у		
8. Test Conducted:	Hydrostatic	Pneumatic	Nominal Oper	rating Pressure	☐ Exen	npt	5-2
Othe	r 🗌 Press	ure psi		Tes	Temperatu	are°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)
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9.	W.O. 2945408 replaced bonnet & disc assembly in valve 1PSIEV227, with refurbished bonnet & disc assembly that was removed from valve 2PSIEV227 during U2R12 under W.O. 2692582 and refurbished under W.O. 2822086.										
Pr	e-Pressure Test work order review - ISI :										
	ANII: 4-16-07										
	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: Judbotut SR. ISI ENGINEER Date: 7/6/07 Owner or Owner's Designee, Title										
	owner of owner a beargines, the										
à .											
	CERTIFICATE OF INSERVICE INSPECTION										
	I, the undersigned, holding a valid commission issued by the National Board of boiler and Pressure Vessel Inspectors and the State or Province of <u>Arizona</u> and employed by <u>HSB CT</u> of <u>Hartford</u> , <u>Connecticut</u> , have inspected the components described in this Owner's report during the period of										
	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.										
	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.										
	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										
	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										

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

2. Item Description: SIT 2B Discharge Check Valve 3. N-5 Data Package Number: 18CQ1-1C 4. W.O. Number: 2945409 5. Original Construction Code Edition: 1974 Edition. Winter 1975 Addenda 6. Original Construction Code Edition: 1974 Edition. Winter 1975 Addenda 7. Work Description: Rework or replace the bonnet and disc assembly to correct seat leakage NDE Method of Flaw Detection: Report Number: 9. Evaluation of the suitability of this work as per the requirements of IWA - 4150: No. ASME boundary failure 10. Repair/Replacement Work Organization Arizona Public Service 11. Replacement Items Construction or reconciled Code/Edition: Sec. III C11, 1974 Edition 1975 Winter Addenda 12. Repair/Replacement Activity Construction Code/Edition: Sec. III C11, 1974 Edition 1975 Winter Addenda 13. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 14. Preservice Inspection Required: Sec. III C11, 1974 Edition 1975 Winter Addenda 15. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 16. ASME Section XI Pressure Test Required: YES NO 16. Initial Industry Secretary Security of the Secretary Security Secretary S	ASME SECTION XI – REPAIR / REPLACEMENT											
2. Item Description: STT 2B Discharge Check Valve 3. N-5 Data Package Number: IRCUL-IC 4. W.O. Number: 2945400 5. Original Construction Code Edition: 1974 Edition, Winter 1975 Addenda 6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda 7. Work Description: Rework or replace the bonnet and disc assembly to correct seat leakage NDE Method of Flaw Detection: Report Number: 9. Evaluation of the suitability of this work as per the requirements of IWA - 4150: No ASME boundary failure 10. Repair/Replacement Work Organization: Arizona Public Service 11. Replacement Items Construction or reconciled Code/Edition: Sec. III C1 1, 1974 Edition 1975 Winter Addenda 12. Repair/Replacement Activity Construction Code/Edition: Sec. III C1 1, 1974 Edition 1975 Winter Addenda 12. Repair/Replacement Activity Construction Code/Edition: Sec. III C1 1, 1974 Edition 1975 Winter Addenda 13. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 14. Preservice Inspection Required: YES NO Initial J. Date J. 3-2-C6 If required, include a step in the W.O. to perform Preservice Inspection 15. ASME Section XI Pressure Test Required: YES NO Initial J. Date J. 3-C6 If required, include a step in the W.O. for ISI & ANII Inspection. Initial J. Date J. 3-C6 If required as step in the W.O. to complete NIS-2 Form prior to releasing the component for permanent service or power operation. Initial J. Date J. 3-C6 If required as step in the W.O. to record below all applicable numbers for repaired or replacement items. Item ID Part No. Serial No. 4 Heat No. MR/POWONO. Bornelloran Airs coston 45000170 Bornelloran State of Printed Name: J. A. S. C. Holland State of Printed Name: J. A. C. C. Holland State of Printed Name: L. C. C. Holland State of Printed Name: L. C. C. Holland State of Printed Name: R. P. INDAP Log Entry TP. Signature Date Office Printed Name: R. C. Holland Name: R. C. Holland Name: Printed Name: R. C. C. Holland Name: R. C. C. Holland Name: Printed Name: Printed Name: R. C. C. Holland Name: Printed Name: R				Page	eof							
3. N.5 Data Package Number: IRCOL-IC 5. Original Construction Code Edition: 1974 Edition, Winter 1975 Addenda 7. Work Description: Rework or replace the bomet and disc assembly to correct seat leakage 8. SISI Flaw NDE Method of Flaw Detection: Report Number: 9. Evaluation of the suitability of this work as per the requirements of IWA - 4150: No ASME boundary failure 10. Repair/Replacement Work Organization: Arizona Public Service 11. Replacement Items Construction or reconciled Code/Edition: Sec. III Cl 1, 1974 Edition 1975 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	1. Component ID <u>1PSIEV2</u>	<u>35</u>			activities to the second disconnection of the second and a second state of the second							
5. Original Construction Code Edition: 1974 Edition, Winter 1975 Addenda 6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda 7. Work Description: Rework or replace the bonnet and disc assembly to correct seat leakage 8. ☐ ISI Flaw NDE Method of Flaw Detection: Report Number: 9. Evaluation of the suitability of this work as per the requirements of IWA - 4150: No ASME boundary failure 10. Repair/Replacement Work Organization: Arizona Public Service 11. Replacement Rems Construction or reconciled CoderEdition: Sec. III C1 1, 1974 Edition 1975 Winter Addenda 12. Repair/Replacement Activity Construction CoderEdition: Sec. III C1 1, 1974 Edition 1975 Winter Addenda 13. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 14. Preservice Inspection Required: ☐ YES ☐ NO Initial ☐ Date ☐ 3-9-CC 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. 16. Include a step in the W.O. to complete NIS-2 Form prior to releasing the component for permanent service or power operation. 17. Include a step in the W.O. to record below all applicable numbers for repaired or replacement items. 18. Planner ☐ Date ☐ Part No. Serial No. ☐ Heat No. ☐ MRPOWONO. 19. Printed Name: ☐ Part No. ☐ Printed Name: ☐ Pri	2 Item Description: SIT 2E	3 Discharge Check Valve		•	,							
6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda 7. Work Description: Rework or replace the bonnet and disc assembly to correct seat leakage 8. □ ISI Flaw NEW NEW NEW NEW NEW NEW NEW NEW NEW NEW	_		_	2945409								
7. Work Description: Rework or replace the bonnet and disc assembly to correct seat leakage NDE Method of Flaw Desection: Report Number: 9. Evaluation of the suitability of this work as per the requirements of IWA - 4150: No ASME boundary failure 10. Repair/Replacement Work Organization: Arizona Public Service 11. Replacement Items Construction or reconciled Code/Edition: Sec. III C1 1, 1974 Edition 1975 Winter Addenda 12. Repair/Replacement Activity Construction Code/Edition: Sec. III C1 1, 1974 Edition 1975 Winter Addenda 13. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 14. Preservice Inspection Required: YES NO Initial J.D. Date 19-9-06 If required, include a step in the W.O. to perform Preservice Inspection 15. ASME Section XI Pressure Test Required: YES In NO Initial J.D. Date 19-9-06 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 component for permanent service or power operation. 16. Include a step in the W.O. to record below all applicable numbers for repaired or replacement items. 17. Include a step in the W.O. to record below all applicable numbers for repaired or replacement items. 18. Planner Signature Part No. Serial No. Heat No. MRPOWONO. 19. The Anit No. Serial No. Heat No. MRPOWONO. 19. The Anit No. Serial No. Report Part Part No. Serial No. Printed Name: Report Part Part Part Part Part Part Part Pa				•								
NDE Method of Flaw Detection: Report Number:	•			. 1 . 1	•							
Report Number: 10. Repair/Replacement Work Organization: Arizona Public Service 11. Replacement Items Construction or reconciled Code/Edition: Sec. III Cl. 1. 1974 Edition 1975 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 Initial J. Date J. 3-06 If required, include a step in the W.O. to perform Preservice Inspection. 15. ASME Section XI Pressure Test Required: YES NO Initial J. Date J. 3-06 If required, include a step in the W.O. to complete NIS-2 Form prior to releasing the component for permanent service or power operation. 16. Include a step in the W.O. to record below all applicable numbers for replacement items. Item ID Part No. Serial No. 4 Heat No. MR/POWO/No. 8 Serial No. 4 Heat No. MR/POWO/No. 19. Trunked Serial No. 5 Heat No. MR/POWO/No. 19. Trunked Serial No. 5 Heat No. MR/POWO/No. 19. Trunked Serial No. 6 Heat No. MR/POWO/No. 19. Trunked Serial No. 6 Heat No. MR/POWO/No. 19. Trunked Serial No. 6 Heat No. MR/POWO/No. 19. Trunked Serial No. 6 Heat No. MR/POWO/No. 19. Trunked Serial No. 6 Heat No. MR/POWO/No. 19. Trunked Serial No. 6 Heat No. MR/POWO/No. 19. Trunked Serial No. 6 Heat No. MR/POWO/No. 19. Trunked Serial No. 6 Heat No. MR/POWO/No. 19. Trunked Serial No. 6 Heat No. MR/POWO/No. 19. Trunked Serial No. 6 Heat No. MR/POWO/No. 19. Trunked Serial No. 6 Heat No. MR/POWO/No. 19. Trunked Serial No. 6 Heat No. MR/POWO/No. 19. Trunked Serial No. 6 Heat No. MR/POWO/No. 19. Trunked Serial No. 7 Heat No. MR/POWO/No. 19. Trunked Serial No. 6 Heat No. MR/POWO/No. 19. Trunked Serial No. 7 Heat No. MR/POWO/No. 20. ANII W. J. J. J. J. J. J. J. J. J. J. J. J. J.	. -	ork or replace the donnet and			·							
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11. Replacement Items Construction or reconciled Code/Edition: Sec. III Cl 1, 1974 Edition 1975 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 Initial I Date 13-5-06 If required, include a step in the W.O. to perform Preservice Inspection 15. ASME Section XI Pressure Test Required: YES NO Initial I Date 13-5-06 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 component for permanent service or power operation. 17. Include a step in the W.O. to record below all applicable numbers for repaired or replacement items. 18. Planner Signature Date 13-5-06 Printed Name: I Date 13-7-07 Include a Secrial No. Serial No.		•	•									
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18. Planner Signature 13-9-06 Printed Name: TAMES I. DAVIS 19. ISI Pholog Printed Name: R. P. INDAP Log Entry FPP 20. ANII Wifton 12-20-06 Printed Name: R. C. Houst Rom	Bornetlorm/discossem	45060170	50 6 193724	Bannet Disc 2876 H+8334	2860076							
18. Planner Signature 19. ISI Signature 19. ISI Signature 19. ANII 10. ANIII 10. ANII 10. ANII 10. ANIII 10. ANII 10. ANII 10. ANII 1			193722									
19. ISI Product 12/20-06 Printed Name: R. P. INDAP Log Entry PP Date 20. ANII 25 June 12-20-06 Printed Name: R. G. Hoggstrom	- 196											
19. ISI Printed Name: R. P. INDAP Log Entry PP Date 20. ANII 25 June 12-20-06 Printed Name: R. G. Houstrom					2							
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20. ANII A Fillred Name:	Signature 19. ISI PHOL	ap 12/4	Printed Name:									
	/ 1		i inited i tame.	R.G. HOGGSTRON	1							

As Required by the Provisions of the ASME Code Section XI

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1. Owner: Arizona	Date	Date: 06-27-2007									
P. O. Bo	She	Sheet: $\underline{1}$ of $\underline{2}$									
2. Plant: <u>Palo Ver</u>	Uni	Unit: 1									
<u>5801 So</u> ı	uth Wintersburg Ro	-7529 Wor	Work Order Number 2945409								
3. Work Performed by: <u>Arizona Public Service Co.</u> Type of Code Stamp <u>None</u>											
5801 S. Wintersburg Rd., Tonopah, Arizona, 85354-7529 Authorization No. N/A											
	.*	Exp	Expiration Date <u>N/A</u>								
4. Identification of S	4. Identification of System: Safety Injection (SI)										
5. (a) Applicable Construction Code ASME Section III NB, Class 1 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)				
14" Check Valve	Borg Warner	26219	607	1PSIEV235	1977	Repaired	Yes				
Bonnet	Borg Warner	193801	N/A	N/A	N/A	Replaced	Yes				
Disc	Borg Warner	SN 3	N/A	Ht # 2E69	N/A	Replaced	Yes				
Bonnet	Borg Warner	SN 6	N/A	Ht # 2E76	N/A	Replacement	Yes				
Disc 🦂	Borg Warner	193722	N/A	Ht # 8334	N/A	Replacement	Yes				
						*					
·											
7. Description of Work: Replaced the bonnet and disc assembly with a refurbished assembly											
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt N-416-2											
Other Pressure psi Test Temperature °F											
		į									
NOTE: Supplement inches, (2) inform	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)

W.O. 2945409 replaced bonnet & disc assembly in valve 1PSIEV235, with refurbished bonnet & disc assembly that was removed from valve 1PSIEV247 during U1R12 under W.O. 2791139 and refurbished under W.O. 2860076. Pre-Pressure Test work order review - ISI: ANII: **Certificate of Compliance** We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Expiration Date: N/A Date: 7/6/07
Dwner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION L' 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 2-20-06 to ______, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions: NB 9685 "N" "I" AZ264 National Board, State, Province, and Endorsements

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

	ASME SECTION X	KI – REPAIR / REPL	ACEMENT Page	of			
1. Component ID 1PCHBV	305	The state of the s	tita atti kantinen kantaa kantaa kantaa kantaa kantaa kantaa kantaa kantaa kantaa kantaa kantaa kantaa kantaa k	Control of the Contro			
2 Item Description: 20"-30	0# Borg Warner check valv	<u>e</u>					
3. N-5 Data Package Number	: <u>1SI01-1A</u>	4. W.O. Number: 2	945411				
5. Original Construction Cod	le Edition: 1974 Edition, V	Vinter 1975 Addenda					
6. Original Installation Code	Edition: 1974 Edition, Wi	nter 1975 Addenda					
7. Work Description: <u>Disa</u>	ssemble the check valve for						
8. 🗌 ISI Flaw		NDE Method of Flaw Det	ection: N/A				
O. The livetion of the suitability	or of this moule as you the week	Report Number: N/A					
9. Evaluation of the suitabilit	y of this work as per the req	unrements of TWA - 4150:	Drong drok	to			
Not a failure of the ASM	E Section XI pressure bound	lary. Installation)			
minigate se	ar reared e. The	311310					
				å			
10. Repair/Replacement Wor							
11. Replacement Items Construction or reconciled Code/Edition: Sec. III Cl 2, 1974 Edition 1975 Winter Addenda							
 Repair/Replacement Activity Construction Code/Edition: Sec. III Cl 2, 1974 Edition 1975 Winter Addenda ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 							
13. ASME Section XI Code/	′	☐ YES ⊠ NO					
_	_						
Initial Date Date	_	include a step in the W.O. t	o perform Preservice II	nspection			
15. ASME Section XI Pressu	re Test Required:	☐ YES ⊠ NO					
Initial Den P Date 3	-8-07 If required,	include a step in the W.O. I	for ISI & ANII Inspecti	on.			
Initial Omy Date 3	₽-07 16. Include	a step in the W.O. to verify NII prior to approving INP		completed by			
Initial _ Pens Date 3	-x - U /	a step in the W.O. to record ment items.	d below all applicable r	numbers for			
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.			
Disk	APN 45021043	15	D2-20693	MR - 1192696			
		212290-A	697618	1171629			
				, 			
• ,							
	·						
18. Planner Signature	1 3-8 Da		DAVID M, C	BODDLET			
19. ISI Signature	9 3-1. Da		P.P. THOMP	Log Entry RPR			
20. ANII 25 Instrum.	3-(- Da		R.G. HOGSTROM	 			
PV216-08N (8-88)	And the second of the second o	♥ . 		73DP-9ZZ17 Rev 9			

الإ

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

As Required by the Provisions of the ASME Code Section XI

CONTRACTOR CONTRACTOR STATE STATE OF SAME AND A STATE OF	esergena nomentenes e deservamente dan mar conceptação cama de	for a moderation, the individual in a population of color support from the learning	A ST AMERICAN STREET,	TOTAL TOTAL SPECIAL PROPERTY.	AND COME OF SECURITION OF SECURITION	ALCOHOLD BY	the state of the property of the state of th	CALL SAN TO ANNUALISATED SEPTEMBER AND A
Owner: Arizo	na Public Service (Company, et. al.			Date: <u>6/1</u>	15/2007		
P. O. I	30x 53999, Phoeni	ix Arizona 85072-20	034		Sheet:	<u>1</u> of <u>2</u>		
2. Plant: Palo V	Verde Nuclear Gene	erating Station			Unit: <u>1</u>			
<u>5801 S</u>	South Wintersburg	Road., Tonopah. A	rizona 8535	<u>54-7529</u>	Work Ord	er Numbe	er <u>2945411</u>	
3. Work-Performe	ed by: <u>Arizona Public</u>	c Service			Type of C	ode Stamp	None None	
			,		Authoriza	tion No.	<u>N/A</u>	
					Expiration	ı Date <u>N</u> /	<u>'A</u>	
4. Identification o	f System: <u>CH: Che</u>	emical and Volumn Co	ontrol Syster	<u>n</u>			•	:
5. (a) Applicable	Construction Code 1	ASME Section III NC	., Class 2	1974 Editio	n, Winter 1	<u>975</u> Adde	nda, Code	e Case
(b) Applicable	Edition of Section 3	XI Utilized for Repairs	s or Replace	ments: <u>199</u>	92 Edition.	<u>, 1992 Ac</u>	<u>ldenda</u>	
6. Identification of	f Components Repai	ired or Replaced and I	Replacement	Componer	nts			
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	I .	ther fication	Year Built	Repaired or Replacement	ASME Code Stamped
				<u> </u>				(Yes or No)
Check Valve	Borg Warner	30018	N/A	IPCHBV	305	1978	Repaired	YES
Disk	Borg Warner	4	N/A	1PCHBV	305	n/a	Replaced	YES
Disk	Borg Warner	212290-A	N/A	1PCHBV	305	1991	Replacement	YES
							Ę.	
					-			
7. Description of V	Work: <u>Disassembl</u>	le the 20" check valv	ve for Engir	neering ins	spection.			
8. Test Conducted	: Hydrostatic	Pneumatic [☐ Nomi	inal Operati	ing Pressure	æ 🔲 🔝	Exempt 🛭	
N-4	416-2 Other	r Pressure psi	i		Test Terr	nperature	°F	
**************************************					•			
inches, (2) info	ormation in items 1	form of lists, sketched thru 6 on this repo	ort is include		_			

	FORM NIS-2 (Back)
	3V305. The Disk & Stud Assembly is being replaced to minize the time that sk will be reworked as an assembly for future spare part.
e-Pressured Test WO Review – ISI	NI/A

ANII NA

	Certificate of Cor	npliance	
We certify that the statements made in t ASME Code, Section XI.	he report are correct ar	nd this replacement conform	s to the rules of th
Type Code Symbol Stamp	N/A		÷,
Certificate of Authorization No	N/A	Expiration Date:	N/A
Signed: RPhaga, TST where or Owner's	Engineer Title	Date: <u>6</u> -	-15-2007

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued Inspectors and the State or Province of Arizona and eminspected the components described in this Owner's reto 6-15-27, and state that to the best of examinations and taken corrective measures describe requirements of the ASME Code, Section XI.	ployed by <u>HSB CT</u> of <u>Hartford, Connecticut</u> , have port during the period of <u>3-14-07</u> of my knowledge and belief, the Owner has performed
By signing this certificate, neither the Inspector nor his concerning the examinations and corrective measures d the Inspector nor his employer shall be liable in any maloss of any kind arising from or connected with this insp	escribed in this Owner's report. Furthermore, neither anner for any personal injury or property damage or a
24 /+	O
nspectors Signature	Commissions: NB 9685 "N" "I" AZ264 National Board, State, Province, and Endorsements
Date:6-15-07	·

.16-08NI (8-88)

FORM N-2 OFFICATE HOLDERS' DATA REPORT FOR IDENTICAL O. NO.

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

NTICM O. No. 60 203229

QUALITY DOCUMENTS

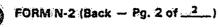
PAGE 203 p6 23

nufactured for ARIZONA PUBL	AC SERVICE 4 MILES S	OUTH OF	WINTERSBORG, WI	MTERSBURG A	RIZONA 85343
		(name	and address of Purchaser)		
ation of installation	PUBLIC SERVICE 4 MI	LES SOU	TH OF WINTERSBUR	G, WINTERSB	URG ARIZONA 85343
		·····	(name and address)		
oe: 76553-11 REV_B (drawing no.)	SA-182-F316	75,00	O PSI	N/A	1991:
(drawing no.)	(mat'l, spec. no.)		strength)	(CRN)	(year built)
ME Code, Section III, Division 1:	1974		TER 1975	2:: (class)	i-N/A
	(edition)	lac	idenda date)	(class)	(Code Case no.)
pricated in accordance with Cons	t. Spec. (Div. 2 only)	n/a	Revision	n/a	DateN/A
		(no.)			
marks:	JI-1-2120	P.	art name- disk a	IND STUD ASS	Υ
				.*	
HYDROSTATIC TEST	ING NOT PERFORMED.			· · · · · · · · · · · · · · · · · · ·	
·					
					
m. thickness (in.) N/A Mi	n. design thickness (in.)	N/A	_ Dis. ID (ft & in.)	N/A Leng	th overall (ft & in.) N/A
en applicable, Certificate Holders			,		
	•	1		1	
Part or Appurtenance	National	}	Part or Appur	tenance	National
Serial Number	Board No.		Serial Nurr	nber	Board No.
	in Numerical Order			ĺ	in Numerical Order
	,			1	
1) 212290-A	n/a		(26)		
2)			(27)		
3)			(28)	i	
4)			(29)		
5)			(30)		/
6)			(31)	/	,
7)			(32)		
	, , , , , , , , , , , , , , , , , , , 		i e		
8)	-		(33)		
9)			(34)		
0)			(36)		
1)			(36)		
41	······································	/>	N		15 ·
n\ }			1381		
			(39)		
4)		i	140		
4)			(40)		
4)			(41)		
4)			(41)(42)		
4)			(41) (42) (43)		
4)			(41) (42) (43) (44)		
4)			(41)		
4) 5) 6) 7) 8) 9) 0)			(41)		
4) 5) 6) 7) 8) 9) (0)			(41)		
3) 41 5) 6) 7) 8) 9) 90 (0) (1) (2)			(41)		
4) 5) 6) 7) 8) 9) (0)			(41)		

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

. 4881

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



Certificate Holder's Serial Nos.

	CERTIFICATION OF DES	IGN		
Design specifications certified by	y N/A	P.E. State	N/A Reg. (n/a
Dodgii specificadens cartified by	(when applicable)	P.E. 31818	ney. I	10.
Design report* certified by	N/A	P.E. State	N/A Red.	N/A
	(When applicable)			
	CERTIFICATE OF COMPLI	ANÇE		
We certify that the statements made in th	is report are correct and that this (tsase) _	DISK AND	STUD ASSY.	
conforms to the rules of construction of the	ne ASME Code, Section III, Division 1.		\sim	
NPT Certificate of Authorization No.	N-1131	Expires10,	1993)
Date 29 JUNE 1991 Name BN/II	INTERNATIONAL INC.		Times	
ValueName	(NPT Cartificate Holder)	_ Signed	horized representative	
.·	CERTIFICATE OF INSPEC	TION		,
I, the undersigned, holding a valid commis	ision issued by the National Board of Boile ARKARIGHT BUTUAL INS. CO. PAC	r and Pressure Vessel Inspec TORY SUTUAL SYSTEM	tors and the Star	te or Province of
of NORWOOD, MASS. have inspec	ted these items described in this Data Re	port on JUNE 29 199	and.	state that to the
best of my knowledge and belief, the Cert				
III, Division 1. Each part listed has been au	thorized for stamping on the date shown	above.		
By signing this certificate, neither the insp	ector nor his employer makes any warran	ty, expressed or implied, cor	cerning the equi	ment described
his Data Report, Furthermore, neither t	he inspector nor his employer shall be liab	le in any manner for any pers	onal injury or pro	perty damage or
of any kind arising from or connected	with this inspection.			Ì
Date 6/24/91 Signed	XiX	_ Commissions 1275	C4.	

•	ASME SECTION X	KI – REPAIR / REPLA	ACEMENT	
			Pag	eof
1. Component ID 1PCHAV	3 <u>06</u>		ż	
2 Item Description: 20"-30	0# Borg Warner check valv	<u>e</u>		
3. N-5 Data Package Number	: <u>1SI01-1A</u>	4. W.O. Number: 29	945414	
5. Original Construction Cod	le Edition: 1974 Edition, V	Vinter 1975 Addenda		Maria Company
6. Original Installation Code	Edition: 1974 Edition, Wi	nter 1975 Addenda		
7. Work Description: <u>Disa</u>	ssemble the check valve for	Engineering inspection.		
8. ISI Flaw		NDE Method of Flaw Dete	ection: N/A	
·				
			11 0 4	1
Not a failure of the ASM	E Section XI pressure bound	lary. Belong disass	rembled to co	mect seat
	•	deakage	Poplar	
	•		12/12/06	
			,	
10. Repair/Replacement Wor	rk Organization: Arizona P	ublic Service		
11. Replacement Items Cons	truction or reconciled Code/I	Edition: Sec. III Cl 2, 197	4 Edition 1975 Winter	r Addenda
12. Repair/Replacement Acti	vity Construction Code/Edit	ion: Sec. III Cl 2, 1974 E	dition 1975 Winter Ad	<u>Idenda</u>
13. ASME Section XI Code/	Edition: 1992 Edition and	l 1992 Addenda		
14. Preservice Inspection Red	quired: [☐ YES ⊠ NO		
Initial DenG Date la	1-2004 If required.	include a step in the W.O. t	o perform Preservice	Inspection
(_	<u></u>	o perioriii i reservice	inspection .
_	-		Con ICI Pr. A NIII Inches	tion ·
Initial Muy Date 12	11 required,	include a step in the w.O. i	or 151 & ANH Inspect	uon.
Initial Pug Date 12	-7-2006 16. Include			n completed by
			,	
Initial Mary Date 12			d below all applicable	numbers for
	*		Hoot No	TMD/DO/WO No
Disk	APN 45021043			
		15 om 6 6-15-01	D2-2D 693	Mac 1172696
**				
	·			
·	NDE Method of Flaw Detection: N/A Report Number: N/A Report N/A Report Number: N/A Report Number: N/A Report Number: N/A Report N/A Report Number: N/A Report Number: N/A Report Number: N/A Report Number: N/A Report Number: N/A Report Number: N/A Report N/A Report Number: N/A Report Number: N/A Report Number: N/A Report Number: N/A Report Number: N/A Report Number: N/A Report N/A Report Number: N/A Report Number: N/A Report Number: N/A Report Addenda Repair/Replacement tems. Report N/A Report N/A Report N/A Report N/A Report N/A Report N/A Report N/A Report N/A Report Addenda Repair/Replacement tems. Report N/A Report Addenda Repair/Replacement tems. Repair/Replacement tems. Repair/Replacement tems. Repair/Replacement tems. Report N/A Report Addenda Repair/Replacement tems to the N/O. to perform Preservice Inspection Report N/A Report N/A Report N/A Report N/A Report N/A Report N/A Report N/A Report N/A Report N/A Report N/A Report N/A Report N/A Report N/A Report N/A Report N/A Report N/A Report N/A Repor			
				<u> </u>
18. Planner _ Danker	1 Jerrel 1	1-7-De Printed Name	DAULD M.	GOODLET
	Da	ite		
OR FROM	12/	12/06	P.P. THINK	
	19/	Printed Name: _	NIJADAI	Log Entry MA
,				
20. ANII 20 4 Ton	12-19	Printed Name:	R.C. HOCKSTROM	1
Signature	. Da			<u> </u>

PV216-08NI (8-88)

73DP-9ZZ17 Rev 9

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

As Required by the Provisions of the ASME Code Section XI

1. Owner: Arizo	na Public Service (Company, et. al.			Date: <u>6/1</u>	5/2007		
<u>P. O. F</u>	30x 53999, Phoeni	x Arizona 85072-20	<u>)34</u>		Sheet:	<u>1</u> of <u>2</u>		
2. Plant: <u>Palo V</u>	Verde Nuclear Gene	erating Station			Unit: 1			
<u>5801 S</u>	South Wintersburg	Road., Tonopah, A	rizona 8535	<u>54-7529</u>	Work Ord	er Number	r <u>2945414</u>	
3. Work Performe	ed by: <u>Arizona Public</u>	<u>e Service</u>			Type of Co	ode Stamp	None None	
			,		Authorizat	tion No.	N/A	
					Expiration	Date N/	A	
4. Identification of	f System: CH: Che	mical and Volumn Co	ontrol Syster	<u>n</u>			".	
5. (a) Applicable	Construction Code [ASME Section III NC	L, Class 2	<u>1974</u> Editic	n, Winter 1	975 Adde	nda, / Code	e Case
(b) Applicable	Edition of Section >	XI Utilized for Repairs	s or Replace	ments: <u>19</u> 9	92 Edition.	, 1992 Ad	<u>ldenda</u>	
6. Identification of	f Components Repai	red or Replaced and F	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 No)
Check Valve	Borg Warner	30017	N/A	1PCHAV	'306	1978	Repaired	YES
Disk	Borg Warner	3	N/A	1PCHAV	306	n/a	Replaced	YES
Disk	Borg Warner	15	N/A	1PCHAV	306	1985	Replacement	YES
			,					
~	1						. <u>.</u> 2-2-	-
							·	
7. Description of V	Work: <u>Disassemble</u>	e the 20" check valv	ve for Engi	neering in	spection.	······································		
8. Test Conducted:	: Hydrostatic	Pneumatic [] Nomi	inal Operat	ing Pressure	e 🔲 🔝	Exempt 🛛	
N-4	416-2 Other	Pressure psi	l		Test Ten	nperature	°F	
·		ı						
inches, (2) info	ormation in items 1	form of lists, sketche thru 6 on this reported at the to of this f	rt is include		-			

FORM	NIS-2	(Back)
-------------	-------	--------

1 .	
	the valve is out of service. The removed disk will be reworked as an assembly for future spare part.
	r.
Pr	re-Pressured Test WO Review – ISI
	ANII
	Certificate of Compliance
	We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.
	Type Code Symbol Stamp N/A
	Certificate of Authorization No. N/A Expiration Date: N/A
	Signed: Product ISI Engineer Date: 6-15-2007. 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
	examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
	By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
	Commissions: NB 9685 "N" "I" AZ264 Inspectors Signature Commissions: NB 9685 "N" "I" AZ264 National Board, State, Province, and Endorsements
	Date: 6-15-07
, =	

73DP-9ZZ17 Rev 9

FORM N-2 N OR NPT CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL
NUCLEAR PARTS AND APPURTENANCES*
As Required by the Provisions of the ASME Code, Section III, Division 1

5		Not To Exc	eed One Day's Pro	duction	Pg_1_at_1	
Manufactured a	and contitled by NUC	lear Valve Divi	sion of Borg Wa	irner,7500 Tyron	e Avenue, Van Nuys, C	A 91409
	_		theme end each	tion of cumficate holders	•	•
Menulactured I	or Combustion	Engineering, P.			6095	
			(harris and activess o			
Location of ins	ntailation Arizo	na Public Servic				
			(name and a	oddréss)		
Type	553-11	SA 182 F316	80,200	N/A	1985	_
	awwal uor)	iner's spee na.)	(tensile scrength)	(CRN)	(your build)	-
ASME Code, S	ection ill:	1974 .	Winter '75	2	N/A	
,		(edition)	(addende)	(class)	(Code Cane no.)	-
Fabricated in a	coordance with Co	onst. Spec. (Div. 2 only	N/A =	levision N/A	Date N/A	
1 021(23)04 (24)	induitation in all di	and about last & attit	(Pop.)	Q4131011	/:	•
Remarks: :	Parts	s supplied herei	n may not have	the NPT symbol	stamp due to size	
						•
	or ot	her considerati	ons as allowed	in NCA-8230.		
						•
	•	• .			•	
			· · · · · · · · · · · · · · · · · · ·	······································		-
•					•	

8. Nom: thickness (in.) N/A Min. design thickness (in.) N/A Dia. ID (ft. & in.) N/A Length overall (ft. & in.) N/A

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

Part or Appurtenance Serial Number	National Board No. In Numerical Order	Part or Appurtenance Serial Number	National Board Number In Numerical Order
Disc			
N/C 5KO2 S/N 15	N/A	(26)	·.
		(27)	
		(23)	
		(29)	
		(30)	•
		(31)	
		(32)	·
		(33)	and and and and and and and and and and
		(34)	
)		(35)	
		(36)	
	. <u></u>	(37)	
		(38)	
)		1	
)	`.	(39)	
)		(40)	
)		(41)	
)		(42)	
)		(43)	
) —————		(44)	
)		(45)	
)		(46)	
)		(47)	
1	·	(48)	<u> </u>
)		(49)	
1	<u> </u>	(50)	

10. Design pressure N/A psi Temp. N/A °F. Hydro, test pressure st temp. °F.

• • • • •	ASME SECTION A	II – REFAIR / REFL	ACLIVIEN I Pa	ge tof t					
1. Component ID <u>1PCHAV1</u>	90		I G	9					
2 Item Description: 3" - 300		el 77680-1	·	e e e e e e e e e e e e e e e e e e e					
3. N-5 Data Package Number: <u>1CH03-5</u> 4. W.O. Number: <u>2948910</u>									
5. Original Construction Code Edition: 1974 Edition, Winter 1975 Addenda									
6. Original Installation Code	6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda								
	semble the check valve for	-							
8. 🗌 ISI Flaw		NDE Method of Flaw De	tection: N/A						
O. F. alanda a 64-a a 24-b 11-a	eur a a	Report Number: N/A							
9. Evaluation of the suitabilit	• • •			. 1 6					
	E Section XI pressure bound	lary. The disc/stud assemb	ly is being replaced to	rework fit-up of					
washer to arm gap.			•						
		•		-					
10 Denvis/Denlacement West	le Oussaniastiane - Anigana E	Juhlia Camriaa							
10. Repair/Replacement Wor 11. Replacement Items Const	-		74 Edition 1975 Winte	er Addenda					
12. Repair/Replacement Acti				· · · · · · · · · · · · · · · · · · ·					
13. ASME Section XI Code/I	·		34.00.112,13 (11.1101.11						
14. Preservice Inspection Rec		☐ YES ⊠ NO							
Initial <u>M55</u> Date 3:	4D7 If required.	include a step in the W.O.	to perform Preservice	Inspection					
15. ASME Section XI Pressu	•	□ YES ⊠ NO		•					
Initial My Date 5	<u>-</u>	include a step in the W.O.		ction.					
•		a step in the W.O. to verif							
Initial MGS Date 5	ISI & A	ANII prior to approving IN	-	in completed by					
1 Day C	. (1) (77 17. Include	a step in the W.O. to reco	rd below all applicable	e numbers for					
Initial Mass Date 5	replace	ment items.							
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.					
Disc	APN 45020877	199225-3	M7988	MR 1190113					
-									
				4					
·									
1 Date	of Smith en	> 1	JANUS M	CANONS					
18. Planner Signature	D	Printed Name:	Dollar II	10000661					
19. ISI RPARO	9P 9/41	Printed Name:	R, P. Forp	AP Log Entry PRP					
Signature /) ' D								
20. ANII 34 Tom	5-4-6	Printed Name:	R.G. Houst	RoM					
Signature	U.	ate .							

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

As Required by the Provisions of the ASME Code Section XI

1. Owner: Arizon	na Public Service (Company, et. al.			Date: <u>5/4</u>	/2007		
<u>P. O. E</u>	P. O. Box 53999, Phoenix Arizona 85072-2034				Sheet: $\underline{1}$ of $\underline{2}$			
2. Plant: Palo V	erde Nuclear Gene	erating Station			Unit: 1			
<u>5801 S</u>	South Wintersburg	Road., Tonopah, A	rizona 8535	4-7529	Work Orde	er Number	2948910	
3. Work Performe	d by: <u>Arizona Public</u>	<u>Service</u>			Type of Co	ode Stamp	None	
					Authorizat	ion No.	<u>N/A</u>	
					Expiration	Date N/	<u>A</u>	
4. Identification o	f System: <u>CH: Che</u>	mical and Volumn Co	ontrol System	1			4) 41	
5. (a) Applicable	Construction Code A	ASME Section III NC	, Class 2	974 Edition	n, Winter 1	975 Adde	nda, Code	e Case
(b) Applicable	Edition of Section X	(I Utilized for Repairs	s or Replace	ments: <u>199</u>	2 Edition,	1992 Ad	ldenda	
6. Identification of	f Components Repai	red or Replaced and I	Replacement	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 No)
Check Valve	Borg Warner	27615	N/A	1PCHAV	190	1978	Repaired	YES
Disç. /	Jorgensen Steel		N/A	1PCHAV	190	1978	Replaced	YES
Disc	BW / IP	199225-3	N/A	IPCHAV.	190	1988	Replacement	YES
	<i>ii</i>						40	
		·					3 ¹	
7. Description of	Work: <u>Disassembl</u>	e the 3" check valve	e for Engin	eering insp	ection.			
8. Test Conducted	: Hydrostatic	Pneumatic [Nom	inal Operati	ng Pressure		Exempt 🛚	
N	416-2 Other	r Pressure ps	i		Test Ten	nperature	°F	
\$2.00 mg		1						
inches, (2) info	ormation in items	form of lists, sketch I thru 6 on this repo ded at the to of this	ort is includ	ings may b ed on each	e used pro sheet, and	ovided (1) I (3) each) size is 8 ½ X sheet is numb	11 ered

		FORM NIS-2	2 (Back)	
·			d Assembly is being replaced to an assembly for future spare par	
,	<u> </u>			
Pre-Pressured Test V	VO Review – ISI	_		
	ANII	N/A		
	•	Certificate of Co	mpliance	
We certify that th ASME Code, Sec		he report are correct a	nd this replacement conform	ns to the rules of the
Type Code Symb	ol Stamp	N/A		
Certificate of Aut	horization No	N/A	Expiration Date:	N/A //
Signed:	Produp, Is		Date: 6	-6-2007
	•			
		an to a second to the second t		

CERTIFICATE OF INSI	ERVICE INSPECTION
I, the undersigned, holding a valid commission issued Inspectors and the State or Province of Arizona and eminspected the components described in this Owner's report of the Asset of the A	ployed by <u>HSB CT</u> of <u>Hartford, Connecticut</u> , have port during the period of <u>s-4-07</u> of my knowledge and belief, the Owner has performed
By signing this certificate, neither the Inspector nor his concerning the examinations and corrective measures defined the Inspector nor his employer shall be liable in any matter loss of any kind arising from or connected with this insp	escribed in this Owner's report. Furthermore, neither inner for any personal injury or property damage or a
mspectors Signature	Commissions: NB 9685 "N" "I" 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

P3	11 m		
PQ.	1	of.	2

All and the second seco	and the contract of the contra	exceed One Day & Produc	William Warner	Pg1_ of _2
1. Manufactured and certified b	1768 LUI VA	CON AVE THE VERNON B	VI LOS MAGELI	ES OPERATIONS
Sile dividual actored and cartifican		Iname and address of	NPT Certificate Holders	
ARIZO	IA NUCLEAR POWER	PROJECT		
2 Manufactured for 4 MILE	es south of wint	RSBURG, ARIZ, 853	13	
a contract of the contract of	er fall trends and a superior and a superior and a superior and a superior and a superior and a superior and a	(name and address of pu	rchaser)	
3. Location of installation	ltong muchear_pg/	TREBOILST AND	95943	
3: Location of Installation	TILLS SOUTH OF MAIN	(name and add		
4 Type 76333 REV.C	SA-182 F316	75,000 PSI	N/A	1998
(drawing no.)	(mat), spec, no.)	Itensile strength)	(CRN)	(year built)
5 ASME Gode; Section III:	1974	WINTER 75	Ż.	N/A
er control code, decilor in.	(sdition)	(addenda date)	(class)	(Code Case no.)
		. 95/.ia	na tún.	
6 Fabricated in accordance wit	h Const. Spec. (Div. 2 onl	y) N/A Revis	ion N/A	Date N/A
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
7 Remarks: BW/IP JOB	NO. 861-L-2554	PART NAME . DIS	C & STUD ASSY	<u> </u>
		, ,		49
HVDROSTATIC TESTIN		i namena o arakan data kaban kab	and the second of the second o	IN SECTION OF SHARES

Nom thickness (in.) N/A Min, design thickness (in.) N/A Dia 4D (ft & in.) N/A Length overall (ft & in.) N/A When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Mari in in		
	t or Appurtenance Serial Number	National Board No. in Numerical Order
(1)	199225-1	N/A
(2)	199225-2	N/A
(3)	199228-3	N/A
(4)	199229-4	N/A
(5)	<u> </u>	
(6)		1
(7)		
(8)	· · · · · · · · · · · · · · · · · · ·	
(9)		<u> </u>
10)		3 To 1
11)		
12)	the more party of a total	
13)		
14)		
数据数例为1.1	and the same and the same of t	$A \sim 1$
ENDER OF BUILDING	1	
(7)	・ こうとうがなったい V3・V ■直接をは過ぎ	
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[9] 20)	metrici in a mengal propries in the	No.
61.22 Co. 15. 15.		
21) 22)		
23) 23)		
24)	1	
25) <u> </u>		
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720

psi.

Temp.

Part or Appurtenance Serial Number	National Board Number in Numerical Order
(26)	
271	/
28)	
29)	
30)	
31)	
32)	1
(33)	7
34)	a Lanciana and a second
35)	1/37
36)	in a same of a section of the Control of
37)	
38)	V
39)	\triangle
40)	
41)	and the second second
42)	No. of the second
43)	
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48)	
49)	A STATE OF THE PARTY OF THE PAR
(50)	
	N/A ay temp

Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 ½ × 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.

190

Design pressure.

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ம P. O CV: OI

FORM N-2 (back)

199223 - 1 129225 - 2 129223 - 3 Mfr. Serial No. 29223 - 3

	CERTIFICATION OF DESIGN
	P.E. State N/A Reg. no. N/A when applicables
	Design report* certified by
	CERTIFICATE OF SHOP COMPLIANCE
	We certify that the statements made in this report are correct and that who these)
	NPT Certificate of Authorization No. N-1131 Expires JUNE 16, 1290
	Dete 31 AUG 88 Name Pate / I.P. INTERNATIONAL INC. Signed (authorite Sentative)
	CERTIFICATE OF SHOP INSPECTION
2	1, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of CALIFORNIA and employed by ARKWRIGHT MUTUAL INS. CO.*
	of Northcon, MASS, have inspected these items described in this Data Report on Avgust 31, 1988, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section 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 damac so fany kind arising from or connected with this inspection. *FACTORY MUTUAL SYSTEM
n	Date 8-37-88 Signed Albadona Commissions Cold 1222 [Nat'l Ed. lincl. andersements state or prov. and no.

~:

ASME SECTION XI - REPAIR / REPLACEMENT \ of \ 1. Component ID 1JSIBUV0667 2.. Item Description: HPSI "B" TO THE RWT ISOLATION VALVE 3. N-5 Data Package Number: 1SI09-3 4. W.O. Number: 2952358 5. Original Construction Code Edition: 1974 Edition, Winter 1975 Addenda 6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda 7. Work Description: INSTALL NEW VALVE INTERNALS (VALVE MOD KIT) INTO NEW VALVE BODY AND SEAL WELD 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 BOUNDARY // INSTALLING NEW INTERNALS INTO NEW VALVE BODY AND SEAL WELD 10. Repair/Replacement Work Organization: Arizona Public Service 11. Replacement Items Construction or reconciled Code/Edition: Sec. III Cl 2, 1974 Edition 1975 Winter Addenda 12. Repair/Replacement Activity Construction Code/Edition: Sec. III Cl 2, 1974 Edition 1975 Winter Addenda 13. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda ☐ YES ⊠ NO 14. Preservice Inspection Required: Initial 460 Date 2-1-07 If required, include a step in the W.O. to perform Preservice Inspection d: YES NO NO NO ISI & ANII Inspection. 15. ASME Section XI Pressure Test Required: Initial LQ 0 Date 2-1-07 16. Include a step in the W.O. to complete NIS-2 Form prior to releasing the Initial **EO** Date **2-1-07** component for permanent service or power operation. 17. Include a step in the W.O. to record below all applicable numbers for repaired or Initial 860 Date 2-1-07 replacement items. Item ID Heat No. MR/PO/WO No. Part No. Serial No. 01188556 PGOG JULAY 50507 01188554 4500 4518 56060-11 BONNET 4500 4518 MIA 01188554 HT#M 8818 DISC 18. Planner & Osmundou 2-1-07 Printed Name: G. Osmundson Signature Date Printed Name: RP. Inda P Log Entry RPZ Signature Date

2-1-07 Printed Name: ROSERT G. HOGSTROM

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

Owner: <u>A</u>	Arizona	Public Service Co	mpany, et. al.		Date	: 06-27-20	907	
<u>P</u>	. O. Box	c 53999, Phoenix	Arizona 85072-20	034	Shee	t: <u>1</u> of	2	
2. Plant: <u>P</u>	alo Ver	de Nuclear Genera	ating Station		Unit			
<u>5</u>	5801 South Wintersburg Road., Tonopah, Arizona 85354-7529 Work Order Nun						mber 2952358	
3. Work Per	formed b	y: <u>Arizona Public S</u>	ervice Co.	-	Туре	of Code St	amp <u>None</u>	
		5801 S. Wintersb	urg Rd., Tonopah,	Arizona, 8535	4-7529 Auth	orization N	o. <u>N/A</u>	
					Expi	ration Date	<u>N/A</u>	
4. Identificat	ion of S	ystem: 1SI09-3		•			* *	,
5. (a) Applie	cable Co	nstruction Code <u>AS</u>	ME Section III NC	C. Class 2	1974 Edition, Wi	nter 1975 A	ddenda, <u>N/A</u> Cod	e Case
(b) Appli	cable Ed	lition of Section XI	Utilized for Repair	s or Replaceme	ents: <u>1992 Editi</u>	on, 1992 A	Addenda	
6. Identificat	tion of C	omponents Repaired	d or Replaced and I	Replacement C	omponents			
Name of Item	of	Name of Manufacture	Manufacturer Serial No.	National Board No.	Other . Identification	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or
Valve bo	dy	Borg Warner	51	N/A	1JSIBUV0667	1997	Replacement	NO) Yes
Valve modifi kit (bonn		Flowserve	56060-11	N/A	1JSIBUV0667	2004	Replacement	Yes
Valve modifi kit (disc		Flowserve	N/A	N/A	Ht # M8818	2004	Replacement	No
		梅		·			7	
7. Descriptio	n of Wo	rk: Installed new va	alve internals (valve	e modification	kit) into new val	ve body and	reweld seal weld	
8. Test Cond	ucted: E	Iydrostatic [Pneumatic	Nominal Oper	rating Pressure	Exen	npt	5-2
	Other	Pressi	ure psi		Tes	t Temperati	ıre °F	
inches, (2) inform	ental sheets in for nation in items 1 the ets is recorded at t	nru 6 on this repo	rt is included				

FORM NIS-2 (Back)

	Remarks: 2952358 INSTALL NEW VALVE INTERNALS (VALVE MOD KIT) INTO NEW VALVE BODY AND SEAL WELD. Pressure test Performed after installation of New Valve under. D.O. 2932833.	
P	re-Pressured Test WO Review – ISI Phalap 6/27/07 ANII 25 ftm 6-28-07	
	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: 15/244 Date: 6-28-07	
	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 2-1-07 to 4-28-07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.	
1	By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions: NB 9685 "N" "I" AZ264 National Board, State, Province, and Endorsements Date: 6-28-07	

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

lanufactured for Arizona Proposition of installation APS - I	ar i	(name and address or purchas	er)	pah, AZ 85354
<i>#</i> :		(vame and address)	•	
ype 306FCB3-010 & 011*	SA182, F316	N/A	N/A (CRN)	2004 (year built)
SME Code, Section III, Division 1:				None
				(Code Case no.)
abricated in accordance with Cons	t. Spec. (Div. 2 only)	N/A Revision	N/A	Date N/A
Bonnet for 2" 150	00# Y-Globe Valve (Q	ty. 2)		
*Revision A				S. O. 27694
om. thickness (in.) N/A	Min. design thickness (in.)	Per #4 Dia. ID (ft & in.)	N/A Len	gth overall (ft & in.) N/
hen applicable, Certificate Holder				-
·	Nacional Control			Mational
Part or Appurtenance	National Board No.	Part or App		National Board No.
Serial Number	in Numerical Order	Serial N	lumber	in Numerical Order
56060-11	N/A	l lack		
(1) <u>56060-11</u> (2) <u>56060-12</u>	N/A	(26)		
(3)		(28)		
(4)		(29)		
(5)		(30)	1	
(6)		(31)		
(7)	· · · · · · · · · · · · · · · · · · ·	(32)	1	
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14)	· .	(39)		1
15)	1	[40]		
16)		(41)		
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20)		(45)		
21)		(46)	1	
22)		(47)		
	1	140		
23)		(49)	•	*

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

FORM N-2 (Back — Pg 2 of ____)

. }	Certificate Holder's Seri	al Nos. <u>56060-11</u>	through	56060-12
estina est	CERTIFICATION OF DESIGN			
Design specifications certified by Design report* certified by	(when applicable)	P.E. State	Reg. no	,
[wh	en applicable)			
	CERTIFICATE OF COMPLIANCE	E .		·
We certify that the statements made in this report are conforms to the rules of construction of the ASME Conforms.		Part(s)		
NPT Certificate of Authorization No. N-15 Date 4/22/04 Name Flowserve		igned ().	ember 26, 2006	
·	CERTIFICATE OF INSPECTION			/ .
I, the undersigned, holding a valid commission issued of North Carolii and employed by	HSB CT			
of Hartford. CT have inspected the best of my knowledge and belief, the Certificate Holde III, Division 1. Each part listed has been authorized for	ese items described in this Data Re r has fabricated these parts or app	urtenances in accorda		
signing this certificate, neither the inspector nor his Data Report. Furthermore, neither the inspector or loss of any kind arising from or connected with this	nor his employer shall be liable in			
Date 4-30-04 Signed (Authorize	d Nuclear Inspector) Comm		1083	or prov. and no.)

s việt

	ASME SECTION X	I – REPAIR / REPL		ige of
8. ISI Flaw 9. Evaluation of the suitability	g Warner Swing Check Valve :: 1CH04-1 le Edition: 1974 Edition, Warner Edition: 1974 Edition, Warner ssemble check valve for insp	4. W.O. Number: 2 Vinter 1975 Addenda Inter 1975 Addenda Ect per ASME program. NDE Method of Flaw Det Report Number: N/A Ultrements of IWA - 4150:	967330 ection: N/A	
10. Repair/Replacement Wor 11. Replacement Items Cons 12. Repair/Replacement Acti	truction or reconciled Code/I	ublic Service Edition: <u>Sec. III Cl 2, 197</u> ion: <u>Sec. III Cl 2, 1974 E</u>		·
13. ASME Section XI Code/ 14. Preservice Inspection Red Initial NA Date	If required, The Test Required: If required, If Include	☐ YES	for ISI & ANII Inspe y NIS-2 Form has bee 525 Status.	ction. en completed by
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
Disk (disk/stud ass'y)	APN 00088601	25292 8 27246-6	N/A	MP 1301510
45060185 (93939) Bannet /Arm/Disc Assy	012 MAN / NEWMAN 45060185/00093939	Bannet Pisc 5 27240-6		ωο≠286 0073
18. Planner Description Signature 19. ISI Signature	Da	Printed Name:		Log Entry RPP
20. ANII Return Signature PV216-08NI (8-88)	۵- ۷-0 Da	Printed Name:	R.C. HOCKSTR	73DP-92Z17 Rev 9

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

The state of the s	as extremely the material resources to the state of the s	marki bahadi kulan dari ilka kalana di bahada kumaganya (da sak	NOT THE COMMENT OF LINES OF THE	CALL OF BEING PROPERTY.	rydnic tricia yr arsadrika	energy, and the publishment	to begin to state the report of a state to the re-	AND AND TOWN A P. AMERICA.
1. Owner: Arizon	1. Owner: Arizona Public Service Company, et. al. Date: 07/12/2007							
<u>P. O. I</u>	Box 53999, Phoeni	x Arizona 85072-20)34		Sheet:	<u>1</u> of <u>2</u>		
2. Plant: Palo V	erde Nuclear Gene	erating Station			Unit: <u>1</u>			
<u>5801 S</u>	South Wintersburg	Road., Tonopah, A	rizona 8535	4-7529	Work Ord	er Number	2967330	
3. Work Performe	d by: <u>Arizona Public</u>	<u>Service</u>			Type of Co	ode Stamp	None	
Authorization No. N/A								
Expiration Date <u>N/A</u>								
4. Identification of System: CH: Chemical and Volumn Control System								
5. (a) Applicable	Construction Code A	ASME Section III NC	, Class 2 1	974 Editio	n, <u>Winter 1</u>	<u>975</u> Addei	nda, KA Code	e Case
(b) Applicable	Edition of Section >	(I Utilized for Repair	s or Replace	ments: <u>199</u>	92 Edition,	1992 Ad	<u>denda</u>	
6. Identification of	f Components Repai	red or Replaced and I	Replacement	Componer	nts			
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.		her fication	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)
Check Valve	Borg Warner	73531	N/A	1PCHEV	M70	1984	Repaired	YES
Disk & stud ass'y	Borg Warner	31	N/A	1PCHEV	M70	1984	Replaced	YES
Disk & stud ass'y	Borg Warner	27240-6	N/A	IPCHEV	M70	2007	Replacement	YES
Bonnet	Borg Warner	18	N/A	1PCHEV	M70	1984	Replaced	YES
Bonnet .9	Borg Warner	5	N/A`	1PCHEV	M70	1978	Replacement	YES
		,						
7. Description of V	Work: <u>Disassembl</u>	ed 3" Check Valve	per ASME	check val	ve inspecti	on progra	ım.	
8. Test Conducted	Hydrostatic	Pneumatic [Nomi	nal Operati	ing Pressure		Exempt	BH .1-07
N-4	16-2 Other	Pressure psi			Test Tem	nperature	•F	,
		Ļ			•			
inches, (2) info	rmation in items 1	form of lists, sketched thru 6 on this reported at the to of this	rt is include		_			

& arm assembly in	valve 1PCHEVM70 with bonnet,	disc & arm assembly
MA		
N A		
rtificate of Co	mpliance	
ne report are correct	and this replacement conform	ns to the rules of
<u>N/A</u>		
T'A	Date: 7-	3-07
Jesignee, little		
E OF INSER	VICE INSPECTION	
arizona and employ his Owner's report nat to the best of my	ed by <u>HSB CT</u> of <u>Hartford</u> , during the period of	Connecticut, have
	this Owner's Report in ac	cordance with the
asures described in a XI.	this Owner's Report in ac	cordance with the
n XI. spector nor his empive measures descri	loyer makes any warranty, exbed in this Owner's report. For any personal injury or pr	pressed or implied, urthermore, neither
spector nor his emplive measures describilities and manner described with this inspection	loyer makes any warranty, exbed in this Owner's report. For any personal injury or pron. MB 9685 "N" "I"	pressed or implied, urthermore, neither operty damage or a
	execution assembly in the worked under W.O. 2 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	e. & arm assembly in valve 1PCHEVM70 with bonnet, sworked under W.O. 2860073. **Present are correct and this replacement conformation of the second of the

	ASME SECTION X	I – REPAIR / REPL	ACEMENT	
			Pa	igel_ofl
1. Component ID 1PSIEV12	<u>23</u>			The second secon
2 Item Description: <u>HPSI I</u>	njection Header Containmer	nt Check Valve		Ř.
3. N-5 Data Package Number	: <u>1RC01-5</u>	4. W.O. Number: 2	967332	
5. Original Construction Cod				
6. Original Installation Code			• = •	All and the second seco
7. Work Description: Rewo	ork or replace the bonnet and			ge
8. 🗌 ISI Flaw		NDE Method of Flaw Det	ection:	•
0 Evaluation of the suitabilit	w of this work as par the rea	Report Number:		
9. Evaluation of the suitabilit	-		. 1 1	
No failure of the ASME	pressure boundary. Like for l	like replacement to correct	seat leakage.	
			·	
				· •
10. Repair/Replacement Wor			4 T 100 1000 TT	4.11
11. Replacement Items Const				
12. Repair/Replacement Acti13. ASME Section XI Code/I	•		attion 1975 Winter A	adenda
14. Preservice Inspection Rec	quirea: (☐ YES ⊠ NO		
Initial $\frac{\sqrt{/q}}{}$ Date	If required,	include a step in the W.O. t	o perform Preservice	Inspection
15. ASME Section XI Pressu	re Test Required:			
Initial J. A. Date 4	-14-07 If required,	include a step in the W.O. f	or ISI & ANII Inspe	ction.
Initial J . O . Date U . Initial U . Date U .	16. Include	a step in the W.O. to verify	NIS-2 Form has bee	en completed by
Initial I Date 4-	-14-07 ISI & A	NII prior to approving INP		
	17. Include	a step in the W.O. to record	l below all applicable	e numbers for
Initial Ja Date 4	<u>-14-07</u> replaces	ment items.	- solo // ull applicus:	
Item ID	Part No.	Serial No.	Heat No.	MR PO/WO No.
Bonnet/Disc	76356(BOT9 WAT	Wart RJL-2		01243744
AMASSEMBLY	APN#00@9-3939	1112/07		01-13.77
	111110080-1-010-9			
				g. *
Bonnet Only		2		01243744
Disc only	,	27240-2	·	01243744
/		·		
	· · · · · · · · · · · · · · · · · · ·			
18. Planner	Da: 4-14	<u>'-○ Z</u> Printed Name: <u>-</u>	JAMIES I.	DAVIS
Signature	Da /	ite .	•	
19. ISI RPHOLOW	P 4/19/0	Printed Name:	R.P. INDA	Log Entry RPZ
Signature	Da			
20. ANII The fation	4-20-	07 n	R.G. HOUSTR	Φη
20. ANII Signature	Da		-	
Land to the second seco	the state of the s	e. In the end of the resemble of the contract of		And the second s

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

As Required by the Provisions of the ASME Code Section XI

the methods the services on the contract the events.	A CONTRACT OF THE PARTY OF THE	A security of the second state of the second	CONTRACTOR OF STATE OF THE AMERICAN	And the state of t		CHARLES OF THE PARTY OF THE PAR	THE REAL PROPERTY AND ADDRESS OF THE PERSON.
1. Owner: Arizona	a Public Service Co	ompany, et. al.		De	nte: 07-12-20	007	
<u>P. O. Bo</u>	ox 53999, Phoenix A	Arizona 85072-20	034	Sh	eet: <u>1</u> of	2	
2. Plant: Palo Ver	erde Nuclear Genera	ating Station		Un	nit: 1		
5801 So	outh Wintersburg Ro	oad., Tonopah, A	rizona 85354	<u>-7529</u> W	ork Order Nur	mber 2967332	
3. Work Performed	-by: <u>Arizona Public S</u>	Service Co.		Ту	pe of Code St	tamp <u>None</u>	
	5801 S. Wintersb	ourg Rd., Tonopah,	Arizona, 8535	<u>4-7529</u> Au	thorization N	o. <u>N/A</u>	
		•	•	Ex	piration Date	<u>N/A</u>	<i>51.0</i> -
4. Identification of S	System: Safety Injec	ction (SI)					
5. (a) Applicable Co	Construction Code AS	SME Section III NC	2, Class 2	<u>1974</u> Edition, <u>V</u>	<u>√inter 1975</u> A	Addenda, <u>N/A</u> Cod	le Case
(b) Applicable E	Edition of Section XI	Utilized for Repair	s or Replaceme	ents: <u>1992 Ed</u>	ition, 1992 A	<u>Addenda</u>	
6. Identification of C	Components Repaire	d or Replaced and I	Replacement C	Components			
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identification	Year n Built	Repaired or Replacement	ASME Code Stamped
							(Yes or NO)
3" Check Valve	Borg Warner	49479	N/A	IPSIEV123	1979	Repaired	Yes
Bonnet, Disc & Arm Assembly	Flowserve	RJL-2	N/A	1PSIEV123	2006	Replacement	Yes
*	*						
	·						
7. Description of Wo	ork: Replaced the bo	onnet, disc & arm as	ssembly, to cor	rrect seat leakaş	çe.	<u> </u>	:
8. Test Conducted:	Hydrostatic	Pneumatic	Nominal Oper	rating Pressure		npt	5-2 🔲
Other	r Press	sure psi		Т	est Temperatu	ure °F	
• • •		3					
inches, (2) inform	mental sheets in form mation in items 1 theets is recorded at t	thru 6 on this repor	ort is included				

FORM	NIS-2	(Back)
-------------	-------	--------

W.O. 2967332 replaced bonnet, disc & arm		lve 1PSIEV1	23.	
re-Pressure Test work order review - ISI : ANII :	To for	dap	7/12/07	· · · · · · · · · · · · · · · · · · ·
ANII :	75 fz	7-12-0	1	
C	ertificate o	f Compli	ance	
We certify that the statements made in the ASME Code, Section XI.	he report are c	orrect and the	his replacement conforr	ns to the rules of
Type Code Symbol Stamp	N/A			***************************************
Certificate of Authorization No.	N/A		Expiration Date:	<u>N/A</u> ′
Signed: Willy the	> ISTEMO	WIFFR	Date: _7-	13.07
CERTIFICA'	TE OF INS	SERVICI	E INSPECTION	
I, the undersigned, holding a valid com Inspectors and the State or Province of inspected the components described in to	Arizona and er this Owner's rethat to the best easures described.	nployed by eport during of my knov	HSB CT of Hartford g the period of 4-2 yledge and belief, the O	, Connecticut, have
By signing this certificate, neither the Inconcerning the examinations and correct the Inspector nor his employer shall be loss of any kind arising from or connect	tive measures liable in any m	described in nanner for a spection.	this Owner's report. F	Furthermore, neither roperty damage or a
Date: 7-13-07			National Board, State, P	rovince, and Endorsements
		-		

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

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

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

Figure and certified by	lowserve Corporation 1900	_		;
			f NPT Certificate Holder)	
anufactured for Pinnacle West	Capital Corp/Disbursemen	t Accounting, MS 95/P.(D Box 53940, Phoenix, a	AZ 85072-3940
APS-PAL	O VERDE/Arizona Public S			ix AZ 85072-2034
77700 REV H	SA182 GR. F316	(name and ac	idress) , N/A	2006
/pe(drawing no.)	(mat'l. spec. no.) 1974	(tensile strength) Winter 1975	(CRN)	(year built) N/A
SME Code, Section III, Division 1:	(edition)	(addenda date)	(class)	(Code Case no.)
bricated in accordance with Cons	st. Spec. (Div. 2 only)		ion	DateN/A
		(no.)		
emarks: Bonnet Disc & Aim Ass Disc Material SA182 Gr. F316, H	sembly for a 3" 1521# SC Heat Numbers 27240-1 ar			· ·
Disc Material SATO2 GI. 1310, 1	ICAC (MITIDOS 2/270 I MI	10 272 10 2		
N/A		Dor #4	N/A	oth overall (fr & in) N/
om. thickness (in.) N/A				ith overall (ft & in.) N/
hen applicable, Certificate Holder	s' Data Reports are attache	d for each item of this re	eport:	
	NI-AlI			,
Part or Appurtenance	National Board No.	Part	or Appurtenance	National Board No.
Serial Number	in Numerical Order		erial Number	in Numerical Order
				•
(a) RJL-1	N/A	(00)		
	N/A			
(2) RJL-2				
, , , , , , , , , , , , , , , , , , , ,	i	(28)		
(4)				er enteren en enteren en en en en en en en en en en en en e
(5)		(30)		
(6)		(31)		
(7)		(32)		
(8)		1 1		
(9), Z		(34)		
10)	•	(35)		
		1 1		
12)		1 1 1	1	
1		(38)	1	
12)				
'		} I		
(4)		(39)		
14)		(39)		
14) 15) 16)		(39)(40)(41)		
14)		(39)		
14)		(39)		
14)		(39) (40) (41) (42) (43) (44)		
14)		(39)		
14)		(39) (40) (41) (42) (43) (44)		
14)	1	(39)		
14)		(39)		
14)		(39) (40) (41) (42) (43) (44) (45) (46) (47)		
14) 15) 16)		(39) (40) (41) (42) (43) (44) (45) (46) (47) (48)		

Hydro. test pressure

(when applicable)

Temp.

psi.

10. Design pressure

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

FORM N-2 (Back — Pg. 2 of ____2_)

	Certificate Ho	older's Serial Nos	RJL-1	through _	RJL-2
; · · · · · · · · · · · · · · · · · · ·	CERTIFICATION O	F DESIGN			
Design specifications certified by	John C. Nunnery	P.E. State	TLL ,	Reg. no.	062-043270
Design report* certified by	(When applicable)	P.E. State			
	CERTIFICATE OF CO	OMPLIANCE			
Nazi ili ade l'Activati i bana Ti ilian mindi di			Р	arts	
We certify that the statements made in conforms to the rules of construction o					······································
NPT Certificate of Authorization No	N-1563	Expires	11-26-0	16,	
Date 10/31/86 Name F	•	· ·	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	ulzed representati	vel
, ن	CERTIFICATE OF I	NSPECTION			
I, the undersigned, holding a valid com ofNC and employed by			Vessel Inspect	tors and the S	State or Province
of Hartford, CT have	e inspected these Items described in t	his Data Report on 🔟	131/06	, and	state that to the
best of my knowledge and belief, the C			n accordance	with the ASM	1E Code, Section
III, Division 1. Each part listed has been By signing this certificate, neither the in	• •		rolled concer	ning the equi	nment described
in this Data Report, Furthermore, neither				,	
or loss of any kind arising from or conr	· · ·	,		,,	3
Date /6/3//06 Signed	1 miny	Commissions	1c#/42/	Character and the	

	ASME SECTION X	I – REPAIR / REPL	ACEMENT	
The state of the s			Pa	geof
1. Component ID <u>1PSIEV</u>	133			
•	Injection Header Containmen			
3. N-5 Data Package Number		4. W.O. Number: 2	2967333	
•	ode Edition: 1974 Edition, W			
=	le Edition: 1974 Edition, Wi work or replace the bonnet and		to correct seat leaker	
8. ISI Flaw	work of replace the bonner and	NDE Method of Flaw De		<u> </u>
o		Report Number:		
9. Evaluation of the suitabil	lity of this work as per the req	•		
No failure of the ASME	pressure boundary. Like for I	ike replacement to correct	seat leakage.	
		,	- `	
	•			
				•
10. Repair/Replacement We	ork Organization: Arizona P	ublic Service		
•	enstruction or reconciled Code/I		74 Edition 1975 Wint	er Addenda
	ctivity Construction Code/Edit			1
13. ASME Section XI Code	e/Edition: 1992 Edition and	1992 Addenda	•	
14. Preservice Inspection R	equired: [☐ YES ⊠ NO		
Initial at I / / Data	If required,	include a step in the W.O.	to perform Preservice	Inspection
•			to perform Freservice	: mspection
15. ASME Section XI Press	•	▼ YES □ NO	C TOT 0 4 2 7 7 7	
Initial J.D. Date 5	1/14-07 If required,	include a step in the W.O.	for ISI & ANII Inspec	ction.
Initial J.D. Date 4	1-14-07 16. Include	a step in the W.O. to verif	=	en completed by
	•	NII prior to approving IN	7525 Status.	
Initial J.o. Date 4	1-1407 17. Include	a step in the W.O. to reconnent items.	d below all applicable	e numbers for
			I	I NO MONIO N
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
VALUE	APN * 4500 4053	301311	NA	MR + 1244189
AN DISC	FROM 4500 4053	加一	78 NA	1230
BONNET	11 . 17	. 5	NA	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
Disc	APN 00088601	25292-6	NA	MR # 01191620-7
		<u></u>	<u> </u>	
· · · · · · · · · · · · · · · · · · ·			L	
18. Planner	4-14-0	Printed Name:	Innes I.	DAVIS
Signature	^	,		
19. ISI	lap 4/19/	67 Printed Name:	R.P. KID	AP LOG Entry RPD
Signature Signature	Da	te Timed Name.		
24 / +	4-20	Printed Name:	R.G. HOGSTROM	· 1
20. ANII Signature	Da	Printed Name:		•
Signature	Da	,		

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: 07-12-2007							
<u>P. O. Bo</u>	P. O. Box 53999, Phoenix Arizona 85072-2034 Sheet: 1 of 2						
2. Plant: Palo Verde Nuclear Generating Station Unit: 1							
5801 Sou	5801 South Wintersburg Road., Tonopah, Arizona 85354-7529 Work Order Number 2967333						
3. Work Performed b	by: <u>Arizona Public S</u>	ervice Co.		Type	of Code Sta	amp <u>None</u>	
	5801 S. Wintersb	ourg Rd., Tonopah,	Árizona, 85354	<u>4-7529</u> Autho	orization No	o. <u>N/A</u>	
				Expira	ation Date .	. <u>N/A</u>	
4. Identification of S	system: Safety Injec	etion (SI)					
5. (a) Applicable Co	onstruction Code AS	ME Section III NC	C, Class 2	1974 Edition, Wint	ter 1975 Ac	ddenda, <u>N/A</u> Cod	e Case
(b) Applicable Ed	dition of Section XI V	Utilized for Repairs	s or Replaceme	ents: 1992 Editic	n, 1992 A	ddenda	
6. Identification of C	Components Repaired	d or Replaced and F	Replacement C	omponents			
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or
3" Check Valve	Borg Warner	49480	N/A	1PSIEV133	1979	Repaired	NO) Yes
Disc	Borg Warner	RS-213306-1	N/A	1PSIEV133	1979	Replaced	Yes
Bonnet	Borg Warner	RS212938-4	N/A	1PSIEV133	1979	Replaced	Yes
Disc	Flowserve	25292-6	N/A	1PSIEV133	2006	Replacement	Yes
Bonnet	Flowserve	5	N/A	1PSIEV133	1993	Replacement	Yes
7. Description of Wo	ork: Replaced the bo	onnet, disc & arm as	ssembly, to cor	rrect seat leakage.	 		
8. Test Conducted: I	Hydrostatic	Pneumatic	Nominal Oper	rating Pressure] Exem	npt	6-2 🗌
Other	Pressu	ure psi	·	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)

9. W.O. 2967333 replaced bonnet, disc & arm assembly in valve 1PSIEV133. Replacement bonnet was removed from spare Borg Warner valve s/n 301311. Pre-Pressure Test work order review - ISI: ANII:	m
Pre-Pressure Test work order review - ISI: ANII: Pre-Pressure Test work order review - ISI: 7/12/07	
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.	of
Type Code Symbol Stamp N/A	
Certificate of Authorization No. N/A Expiration Date: N/A	
Signed: Will Home 15/ ENGINEER Date: 7-13-07	
CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of boiler and Pressure V Inspectors and the State or Province of <u>Arizona</u> and employed by <u>HSB CT</u> of <u>Hartford, Connecticut</u> , inspected the components described in this Owner's report during the period of <u>4-20-01</u> to <u>7-3-07</u> , and state that to the best of my knowledge and belief, the Owner has perfor examinations and taken corrective measures described in this Owner's Report in accordance with requirements of the ASME Code, Section XI.	have rmed
By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or imp concerning the examinations and corrective measures described in this Owner's report. Furthermore, ne the Inspector nor his employer shall be liable in any manner for any personal injury or property damage loss of any kind arising from or connected with this inspection.	either
/	
Commissions: NB 9685 "N" "I" AZ264 Inspectors Signature National Board, State, Province, and Endorse	ements

-- PV-E0092 Ver. 7 Back

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

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

Pg. 1 of 2

1.	Manufactured and certified by Flo	owserve Corporation/1	900 Sout	h Saur	nders Street	Raleigh N	IC 27603		
2.	Manufactured for Pinnacle Wes	t Capital Corp/ Disbur	Address of NE sement A and Address of	CĊTC	J/PO Box 5	3940 Phoe	nix, AZ. 8	5072-3940	<u>0</u>
3.	Location of Installation APS Palo	Verde/ Palo Verde Wa		5801 S		rsburg Ro	ad Tonop	ah, AZ. 8:	5354
4	Type: 77700 Rev. H	SA 182 grade F316		N/A		N/A			2006
	(drawing no.)	(mat'l, spec. no.)	(te	nsile stre	nglh)	(CRN)	(y	ear built)
5.	ASME Code, Section III, Division 1:	3277			, 19 75	1	<u> </u>		N/A
6.	Fabricated in accordance with Const	(edition)	NT / 4		da date) ision	(clas	ss) Date	(Code	Case no.)
	only)	. Opec. (Div. 2	N/A	-		N/A			N/A
7.	Remarks: Disk for 3" 1521# S	Swing Check Valve	(no.)						
						S.O.	33861		
				- D:	- 10 (6 B :-)			7	
8.	Nom. Thickness (in.) N/A When applicable, Certificate Holders	Min. design thickness (in.)	PER#	T	a. ID (ft & in.)	N/A	Length ov	erall (ft & in	.) <u>N/A</u>
9.	Part or Appurtenance	National	Tor each in	em or t		opurtenance		Natio	ınal
	Serial Number	Board No.				Number		Board	
	Condition of	In Numerical Order			33/12/			In Numerio	
. (1)	25292-6	· N/A		26)					
(2)	25292-7	N/A		27)					
) (3)	25292-8	N/A		28)					
(4)		to an		29) -					
(5)				30) _					
(6)				31)					
(7)	/			32) _					
(8)	´			33) _					
(9)			l· `	34) _					
(10)			'	35) _					
(11)		·		36) _		·			
(12)				37) <u> </u>					
(13)				38) _					
(14) (15)				39) 40) -	<u> </u>				
(16)				41) –					
(17)				42) –					
(18)				43)				·	
(19)		,		- 44)					
(20)				45)				· · · · · · · · · · · · · · · · · · ·	
(21)				46) —					
(22)				47)	· · · · · · · · · · · · · · · · · · ·	- · · · · -			
(23)			'	18)					
(24)			1 (4	19)					
(25)				50)					
10.	Design pressure	psi. Temp.		°F.	Hvdro, Te	st pressure	N//		At temp. °F

Supplemental information in form of lists, sketches or drawings may be used provided (1) size is 8-1/2" x 11", (2) information in items 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and 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. 25292-6 THRU 25292-8

	CERTIFICATION OF DESIG	SN	·
Design specification certified by	P.E. State	Reg. no.	
Design Report * certified by	P.E. State	Reg. no.	
We certify that the statements made in this Conforms to the rules of construction of the	• • • • • • • • • • • • • • • • • • • •		
*			•,
NPT Certificate of Authorization No.	N1563	Expires	11/26/2006
Date / /27 / 06 Name Flowserve,	······································	1/2	
(NPT Certific		(authorized representa	nive)
I, the undersigned, holding a valid commission of the province of North Carolina and employed described in this Data Report on 130 has fabricated these parts or appurtenances in stamping on the date shown above. By signing this certificate, neither the Inspedescribed in this Data Report. Furthermore, property damage or loss of any kind arising from Date 130106 Signed	ployed by HSBCT of Hartform and state that, to the best accordance with the ASME Code, Section ector nor his employer makes any was neither the Inspector nor his employer or or connected with this Inspection.	r and Pressure Vessel In d. Connecticut hor of my knowledge and on III, Division 1. Each parranty, expressed or in	ave inspected these items belief, the Certificate Holder bart listed has been authorized for applied, concerning the equipment

	ASME SECTION ?	XI – REPAIR / REP	LACEMENT	
The second secon			Pa	ge of
l. Component ID <u>1PSIBV53</u>	<u> </u>			The second secon
2 Item Description: HPSI H	leader Containment Isolatio	n Check Valve		
3. N-5 Data Package Number:		4. W.O. Number:	<u>2967337</u>	
5. Original Construction Cod				A STANDARD STANDARD STANDARD
6. Original Installation Code				
7. Work Description: <u>Rewo</u>8. ☐ ISI Flaw	ork or replace the bonnet and	d disc assembly as require NDE Method of Flaw D		<u>te</u> .
6. [_] 131 Flaw		Report Number:	etection:	
9. Evaluation of the suitability	v of this work as per the rea	-	:	
	ressure boundary. Like for			
110 fandre of the Hoffitz p	ressure boundary. Like for	,	t seat leakage.	
·			,	
			•	· .
10. Repair/Replacement World	k Organization: Arizona F	Public Service	. t .	
11. Replacement Items Const			974 Edition 1975 Winte	er Addenda
12. Repair/Replacement Activ				7
13. ASME Section XI Code/E	•			
14. Preservice Inspection Req	uired:	☐ YES ☐ NO		
Initial / A Date	If required,	include a step in the W.O	to perform Preservice	Inspection
15. ASME Section XI Pressur		☐ YES ☐ NO		
Initial J.D Date 4	•	include a step in the W.O		etion.
Initial Jo Date 4	16. Include	a step in the W.O. to veri	fy NIS-2 Form has bee	1
		NII prior to approving IN	IP525 Status.	
Initial J. Date 4	-14-07 17. Include	a step in the W.O. to reco	ord below all applicable	numbers for
	- replaces	ment items.		
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
Bonnet / Disc Assy	93939	RJL-1	27240-1	01233011-0001
Bonnet DEC ASKY	93939	R51-2	27240-2	C12330H-6001
				2 jr 19
			· · · · · · · · · · · · · · · · · · ·	
	-			<u> </u>
			<u> </u>	
18. Planner	Da 4-14-	27 Printed Name:	James I.	CAVES .
Signature	Da .	te		
19. ISI Pons	2017 4/191	7 Printed Name:	R.P. FALDAF	Log Entry W
Signature	Da	te rimed Name:		Log Entry VV
20 JA /-	4-20-	07	0 / 1	Í
20. ANII Signature	Da		R.C. HOLESTROM	
	Da			· ·

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

	As Kequ	ired by the Flov	isions of the	ASME Code S	occion A	<u>.</u>	
1. Owner: <u>Arizona</u>	Public Service Co	mpany, et. al.		Date:	06-27-200)7	
<u>P. O. Bo</u>	x 53999, Phoenix	Arizona 85072-20	034	Sheet	: <u>1</u> of	2	
2. Plant: <u>Palo Ver</u>	de Nuclear Genera	ating Station		Unit:	1 .		
5801 Soi	uth Wintersburg R	oad., Tonopah, A	rizona 85354	<u>-7529</u> Work	Order Nun	nber 2967337	
3. Work Performed	by: <u>Arizona Public S</u>	ervice Co.		Type	of Code Sta	ımp <u>None</u>	
	5801 S. Wintersb	urg Rd., Tonopah,	Árizona, 8535	4-7529 Autho	orization No	o. <u>N/A</u>	
•				Expir	ation Date	<u>N/A</u>	
4. Identification of S	System: Safety Injec	ction (SI)					
5. (a) Applicable Co	onstruction Code <u>AS</u>	ME Section III NB	Class 1	974 Edition, Win	ter 1975 A	ddenda, <u>N/A</u> Cod	e Case
(b) Applicable Ed	dition of Section XI	Utilized for Repair	s or Replaceme	ents: 1992 Editio	on, 1992 A	ddenda	
6. Identification of C	Components Repaired	d or Replaced and I	Replacement C	omponents	. 1		
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)
3" Check Valve	Borg Warner	27604	Ñ/A	1PSIBV533	1978	Repaired	Yes
Bonnet, Disc & Arm Assembly	Flowserve	RJL-1	N/A	1PSIBV533	2006	Replacement	Yes
	,						
						,	
7. Description of Wo	rk: Replaced the bo	nnet, disc & arm as	ssembly, to cor	rect seat leakage.		<u> </u>	
8. Test Conducted: I	Hydrostatic [Pneumatic 🗌	Nominal Oper	ating Pressure] Exem	npt	5-2
Other	Pressu	ire psi		Test	Temperatu	re °F	
inches, (2) inform	nental sheets in for nation in items 1 theets is recorded at t	ru 6 on this repo	rt is included				

FORM NIS-2 (Back)

W.O. 2967337 replaced bonnet, disc & arm assembly in valve 1PSIBV533.

Pre-Pressure Test work order 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 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 4-20-07 to 3 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
Date: 7-4-07

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

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

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

Flowserve Corporation 1900 S. Saunders St. Raleigh, NC 27603 1. Manufactured and certified by _ (name and address of NPT Certificate Holder) 2. Manufactured for Pinnacle West Capital Corp/Disbursement Accounting, MS 95/P.O Box 53940, Phoenix, AZ 85072-3940 (name and address of purchaser) APS-PALO VERDE/Arizona Public Service Palo Verde Plant/P.O. Box 52034, Phoenix AZ 85072-2034 3. Location of installation 77700_REV H SA182 GR. F316 N/A N/A 2006 4. Type __ (drawing no.) (mat'l, spec. no.) (tensile strength) (CRN) (year built) Winter 1975 1 N/A 5. ASME Code, Section III, Division 1: (addenda date) (class) (Code Case no.) N/A N/A 6. Fabricated in accordance with Const. Spec. (Div. 2 only) Revision Date (na.) Bonnet Disc & Arm Assembly for a 3" 1521# SC Valve Disc Material SA182 Gr. F316, Heat Numbers 27240-1 and 27240-2 __ Min. design thickness (in.) Per #4 __ Dia. ID (ft & in.) N/A N/A 8. Nom. thickness (in.) Length overall (ft & in.) __ 9. When applicable, Certificate Holders' Data Reports are attached for each item of this report: National National Part or Appurtenance Part or Appurtenance Board No. Board No. Serial Number in Numerical Order Serial Number in Numerical Order RJL-1 N/A RJL-2 N/A $(27)_{-}$ (2) (3) (28) __ $(7)_{-}$ ·(8) . (34) (10) _____ (36) ____ $(11)_{-}$ (38) (13) $(39) _{-}$ (14)(41) (19) (44) (20) _____ (21) _____ (24)(49)

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

Hydro, test pressure

at temp. °F

(when applicable)

650

10. Design pressure

2500

. psi.

Temp.

FORM N-2 (Back — Pg. 2 of ____2_)

	Certificate Hold	er's Serial Nos	RJL-1	through _	RJL-2
	CERTIFICATION OF I	DESIGN			,
Design specifications certified by	John C. Nunnery	P.E. State	ILL	Rea. no.	062-043270
Design report* certified by	(when applicable) N/A	DE State	N/A	Don no	N/A
Design report certified by	N/A (when applicable)	r.E. State	· · · · · · · · · · · · · · · · · · ·	neg. no.	
	CERTIFICATE OF COM	PLIANCE			
in the state of th	•		Pari	h u	
We certify that the statements made in	this report are correct and that this (thes	e)			 ·
conforms to the rules of construction of	the ASME Code, Section III, Division 1.		•		•
	N-1563		11 25 25		
NPT Certificate of Authorization No		Expires	11-26-06		
	Ourana Cornaration		///	2	A second
Date 10 31 06 Name F	owserve corporation	Signed			
· / /	(NPT Certificate Holder)		(authoriz	ed representati	Ve)
	CERTIFICATE OF INSI	PECTION			1
•					,
	mission issued by the National Board of	Boiler and Pressure	Vessel Inspector	s and the S	State or Province
of NC and employed by	HSB CT	·	10 10 10 6		
of Hartford, CT hav	e inspected these items described in this	Data Report on 🔟	0/3//66	, and	state that to the
best of my knowledge and belief, the Ce	rtificate Holder has fabricated these part	s or appurtenances	in accordance w	ith the ASN	1E Code, Section
III, Division 1. Each part listed has been	authorized for stamping on the date sho	wn above.			
By signing this certificate, neither the ins	pector nor his employer makes any warr	anty, expressed or	implied, concerni	ng the equi	pment described
in this Data Report, Furthermore, neither	the inspector nor his employer shall be	liable in any manne	er for any persona	l injury or p	property damage
or loss of any kind arising from or conn	ected with this inspection.				
;	1 / 100		Street 1		
Date /0/31/06 Signed	1 M. Vary	_ Commissions _	NIC- 92/ Natl. Bd. (Incl. endors		
	(Authorized Nuclear Inspector)		(Nati. Bd. (Incl. endors	ements) and si	ate or prov. and no.i

	ASME SECTION 2	XI – REPAIR / REPL	ACEMENT		
			Pa	ge of	(
1. Component ID <u>1PRCEL</u>	001		ę.		•
2 Item Description: Piping	g from Pressurizer 1MRCEX	02 to PSV 1JRCEPSV200			
3. N-5 Data Package Number	r: <u>1RC03-2</u>	4. W.O. Number: 2	<u> 2967764</u>		
5. Original Construction Co	de Edition: 1974 Edition, S	Summer 1975 Addenda	, and the second		
6. Original Installation Code	Edition: 1974 Edition, W	inter 1975 Addenda			
<u>200</u>	all a weld overlay (WOL) on to mitigate susceptibility to				
 -	<u>0436.</u>	NIDE Mathad of Elaw Da	taátiam.		
8 ISI Flaw		NDE Method of Flaw De Report Number:	tection:		
9. Evaluation of the suitabil	ity of this work as per the rec	•			
According to the control of the cont	is a preemptive mitigation r	-	I failure due to PWSC	C. The suitability	v of
	sed in DMWO 2940436				
tato ropati to ratty diseas	304 H D111 H O 27 10 130				
10. Repair/Replacement Wo	ork Organization: Welding	Services Incorporated			•
11. Replacement Items Cons					
12. Repair/Replacement Act			1 Edition 2003 Adde	nda	
13. ASME Section XI Code		d 1992 Addenda	T Lattion, 2003 Made	<u>naa</u>	
14. Preservice Inspection Re		⊠ YES □ NO			
11					
	•	include a step in the W.O.	to perform Preservice	Inspection	
15. ASME Section XI Press	ure Test Required:	⊠ YES □ NO			
Initial July Date 5	110/07 If required,	include a step in the W.O.	for ISI & ANII Inspec	ction.	
/ //	16 Tarahud	e a step in the W.O. to verif	y NIS-2 Form has bee	en completed by	
Initial Date 5	16. Included ISI & A	ANII prior to approving IN	P525 Status.		
Initial Date S	~/ /	e a step in the W.O. to recoment items.	rd below all applicable	e numbers for	·
Item ID	Part No.	Serial No.	Heat No.	MR/PO/W	VO No.
				4,50	
- 127 1 870					
		**************************************		_	
					
			<u> </u>		
18. Planner Signature	Julian 5/10/	Printed Name:	HERLERT	. GREEN	<u></u>
19. ISI Juffold Signature	5/21/	Printed Name:	FRED POTEE	T Log Entry_	<i>f</i> 2_
20. ANII Signature	5-21- D:	Printed Name:	R.C. Houstro	М	

COMPANY OF AND CONTROL OF THE PARTY OF THE COMPANY	the same of the second property of the page and a second property of	and the second of the second o	parties of the estimated in the same	for a four typic way to say in gas	and Nov. of the April 19 of the End of the	Carrier of the Control of the Contro	Althought and included to the beautiful state of	N. J. On Wildersteinen A.
1. Owner: Arizor	na Public Service (Company, et. al.			Date: <u>05/</u>	10/2007		
<u>P. O. F</u>	30x 53999, Phoeni	x Árizona 85072-20	<u>)34</u>		Sheet:	<u>1</u> of <u>2</u>		
2. Plant: Palo V	Verde Nuclear Gene	erating Station			Unit: <u>1</u>		~	
<u>5801 S</u>	South Wintersburg	Road., Tonopah, Ar	rizona 8535	54-7529	Work Ord	er Numbe	<u>2967764</u>	
3. Work Performe	ed by: Welding Servi	ces Incorporated	•		Type of Co	ode Stamp	None None	
		,			Authorizat	ion No.	<u>N/A</u>	
					Expiration	Date N/	' <u>A</u> .	:
4. Identification of	f System: Reactor (Coolant System (RC)						
5. (a) Applicable	Construction Code 4	ASME Section III NB	, Class 1 2	<u> 2001</u> Editic	on, <u>2003</u> Ad	denda	/	
(b) Applicable	Edition of Section 3	XI Utilized for Repairs	s or Replace	ments: 19	992 Edition,	1992 Ado	denda	
6. Identification of	f Components Repai	ired or Replaced and F	Replacement	: Compone	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
RC pipe line	Pullman Power Products	1RC001S001	N/A	1PRCEL	001	1979	Repaired	YES
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	·							
							e: .	
- 7	å.							
	V 200) to mitigate	ld overlay (WOL) o susceptibility to Pri	imary Wate	er Stress C	Corrosion C	racking (' DMWO
	_			лат Орегас	Tost Tom		•	
11-4	∤10-2 [] Oulei	Pressure psi			1est 1en	perature	°F	
inches, (2) info	ormation in items 1	orm of lists, sketche thru 6 on this reported at the to of this f	rt is include					

	FORM NIS-2 (Back)
9.	Remarks: <u>DIWO 2967764- Install a weld overlay (WOL) on Pressurizer Dissimilar Metal Weld (DMW) on line 1PRCEL001 (PSV 200) to mitigate susceptibility to Primary Water Stress Corrosion Cracking (PWSCC) IAW DMWO 2940436.</u>
Pı	re-Pressured Test WO Review – ISI
	- 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
	Certificate of Authorization No. N/A Expiration Date: N/A
	Signed: Signed: SR. ISI ENGINEER Date: 7/5/07 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.

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

Inspectors Signature

7-5-07

Date:

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

	ASME SECTION X	I – REPAIR / REPI	ACEMENT	
			Pa	geof
1. Component ID 1PRCEL0	03			
2 Item Description: Piping	from Pressurizer 1MRCEXO	2 to PSV 1JRCEPSV201		•
3. N-5 Data Package Number:	1RC03-2	4. W.O. Number:	2967769	•
5. Original Construction Cod	e Edition: 1974 Edition, St	ummer 1975 Addenda		
6. Original Installation Code	Edition: 1974 Edition, Win	nter 1975 Addenda		•
201)	ll a weld overlay (WOL) on to mitigate susceptibility to			
2940 8 ISI Flaw –		NDE Method of Flaw De	tection	
0. [] 10111aw		Report Number:	tection.	,
9. Evaluation of the suitabilit		•		•
	s a preemptive mitigation m		I failure due to PWSC	C. The suitability of
this repair is fully discuss		outure to prevent potentia	Tandre due to 1 11 50	o. The surfacine, or
tins repair is fairy discuss	cd iii Divi w O 2940430			
				•
10. Repair/Replacement Wor	le Organization - Walding S	Carvines Incorporated		
11. Replacement Items Const	-	=		
12. Repair/Replacement Activ	*		1 Edition 2003 Adde	nda
13. ASME Section XI Code/I	•		or Edition, 2003 Adde	ilua
	_	<u> </u>	•	
14. Preservice Inspection Rec	juired:	X YES □ NO		
Initial Date S	1007 If required,	include a step in the W.O.	to perform Preservice	Inspection
15. ASME Section XI Pressur	re Test Required:	☑ YES □ NO		,
1.1	, TC : 1	include a step in the W.O.	for ISI & ANII Inspec	ction.
Initial Date 5			•	
Initial M Date 5	/ 40/4C	a step in the W.O. to veri NII prior to approving IN	-	en completed by
	151 62 11			
Initial M Date 5	17. Include replacer	a step in the W.O. to reconnent items.	rd below all applicable	
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
				<u>4.</u>
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<u> </u>				
	, ,		1	
18. Planner	Ju 5/1	9/02 Printed Name:	HERBERT L.	GREEN
Signature	Da	te		
19. ISI Jud Stu	5/21/	107 Printed Name:	FRED POTRET	Log Entry #
Signature	Dat	te		
20. ANII The trans	5-2(-	Printed Name:	R.C. HOUSTRO	m
Signature	Dat	te I I I I I I I I I I I I I I I I I I I		

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1. Owner: Arizo	ona Public Service (Company, et. al.			Date: <u>05/</u>	/10/2007	•	
<u>P. O. I</u>	30x 53999, Phoeni	ix Arizona 85072-20	<u> </u>		Sheet:	<u>1</u> of <u>2</u>		
2. Plant: Palo V	Verde Nuclear Gene	erating Station			Unit: <u>1</u>			I
<u>5801 S</u>	South Wintersburg	Road., Tonopah, Ar	rizona 8535	<u>54-7529</u>	Work Ord	ler Number	r <u>2967769</u>	
3. Work Performe	ed by: <u>Welding Servi</u>	ces Incorporated			Type of C	ode Stamp	None None	
•					Authorizat	tion No.	<u>N/A</u>	I
					Expiration	Date <u>N/</u>	<u>A</u>	
4. Identification o	f System: Reactor (Coolant System (RC)			•		÷	
5. (a) Applicable	Construction Code /	ASME Section III NB	1, Class 1 2	<u>2001</u> Editio	n, <u>2003</u> Ad	denda		
(b) Applicable	Edition of Section Y	XI Utilized for Repairs	s or Replace	ments: 19	92 Edition,	, 1992 Add	lenda	
6. Identification o	f Components Repai	ired or Replaced and F	Replacement	Componer	ıts			
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)
RC pipe line	Pullman Power Products	1RC003S001	N/A	1PRCEL0)03	1979	Repaired	YES
							2	
	3		·					
						_		
1PRCEL003 (PS) 2940436. 8. Test Conducted:	V 201) to mitigate : Hydrostatic	ld overlay (WOL) o susceptibility to Pri Pneumatic Pressure psi	imary Wate Nomi		orrosion C	Cracking (I	PWSCC) IAW	DMWO
inches, (2) info	ormation in items 1	form of lists, sketche thru 6 on this reportled at the to of this f	rt is include					

	FORM NIS-2 (Back)
9.	Remarks: <u>DIWO 2967769- Install a weld overlay (WOL) on Pressurizer Dissimilar Metal Weld (DMW) on line 1PRCEL003 (PSV 201) to mitigate susceptibility to Primary Water Stress Corrosion Cracking (PWSCC) IAW DMWO 2940436.</u>
Pı	re-Pressured Test WO Review – ISI
	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 N/A
	Certificate of Authorization No. N/A Expiration Date: N/A
	Signed: Tufffly SR. ISI ENGINEER Date: 7/5/07 Owner or Owner's Designee, Title
1	
	CERTIFICATE OF INSERVICE INSPECTION
	I, the undersigned, holding a valid commission issued by the National Board of boiler and Pressure Vessel Inspectors and the State or Province of 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,

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

Commissions: NB 9685 "N" "I" AZ264

National Board, State, Province, and Endorsements

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

Date:_______

	ASME SECTION	XI – REPAIR / REPI	LACEMENT	
			Pa	ge'of'
I. Component ID 1PRC	EL005		3	জিলাকারের সদ্পাল্য রাজ্য কর্মন ব্যৱস্থার স্থান কর্মনের এই আর্থনিক। ব
2 Item Description: Pi	ping from Pressurizer 1MRCEX	(02 to PSV 1JRCEPSV202		
3. N-5 Data Package Nur	mber: <u>1RC03-2</u>	4. W.O. Number:	2967774	
5. Original Construction	Code Edition: 1974 Edition,	Summer 1975 Addenda		•
6. Original Installation C	Code Edition: 1974 Edition, W	inter 1975 Addenda		
-	Install a weld overlay (WOL) or 202) to mitigate susceptibility to			
8. TSI Flaw	<u> 2940436.</u>	NDE Method of Flaw De	stantion.	
o. [_] ISI Maw		Report Number:		
9. Evaluation of the suita	ability of this work as per the re	•		
The weld overlay re	pair is a preemptive mitigation:	measure to prevent potentia	al failure due to PWSC	C. The suitability of
this repair is fully dis	scussed in DMWO 2940436			. 3
1				
		•		/
10. Repair/Replacement	Work Organization: Welding	Services Incorporated		,
11. Replacement Items C	Construction or reconciled Code	/Edition: <u>N/A</u>		•
12. Repair/Replacement	Activity Construction Code/Ed	ition: Sec. III Class 1, 200	01 Edition, 2003 Adde	nda
13. ASME Section XI Co	ode/Edition: 1992 Edition ar	nd 1992 Addenda		
14. Preservice Inspection	Required:	⊠ YES □ NO		
Initial Date	5/10/07 If required	, include a step in the W.O.	to perform Preservice	Inspection
15. ASME Section XI Pr	, .	⊠ YES □ NO		
Ash.	_/ If required	, include a step in the W.O.		rtion
Initial Date	3/10/07		•	
Initial Date		e a step in the W.O. to veri ANII prior to approving IN		n completed by
1.2	101 @			
Initial Date	5/18/07 replace	e a step in the W.O. to recomment items.	rd below all applicable	numbers for
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
			·	
	_			
18. Planner	/ John 5/16	2/07 Printed Name:	HErbert L.	Green
Signature				
19. ISI Judos	let 5/21	2 Printed Name:	FRED POTEET	Log Entry #2
Signature /	D	vale		•
20. ANII 75 47	m 5-21	Printed Name:	K.G. Hocestr	om .
Signature	D	ate		

a a partificial construction of the Construction	and to go to the other of the same same and the same of the	and any survivation of the second second second second second second second second second second second second	er at a new transfer of Armani Armani Armani	et or to be addressed to solde te	NAME OF THE PERSONS ASSOCIATED ASSOCIATION	Carrier to a secretario	CHARLES AND SECURISH SHARE SHARE SHE	N. March D. W. Control of Street Co.
1. Owner: <u>Arizo</u>	na Public Service (Company, et. al.			Date: <u>05/</u>	10/2007		
<u>P. O. I</u>	Box 53999, Phoeni	x Arizona 85072-20	<u>)34</u>		Sheet:	<u>1</u> of <u>2</u>		
2. Plant: <u>Palo V</u>	Verde Nuclear Gene	erating Station			Unit: <u>1</u>			
<u>5801 S</u>	South Wintersburg	Road., Tonopah, A	rizona 8535	54-7529	Work Ord	er Number	2967774	
3. Work Performe	ed by: Welding Servi	ces Incorporated			Type of C	ode Stamp	None	•
					Authoriza	tion No.	<u>N/A</u>	•
					Expiration	Date <u>N/</u>	<u>A</u>	
4. Identification o	f System: Reactor (Coolant System (RC)					÷	
5. (a) Applicable	Construction Code A	ASME Section III NB	, Class 1 2	2001 Edition	n, <u>2003</u> Ad	denda		•
(b) Applicable	Edition of Section >	XI Utilized for Repair	s or Replace	ments: 19	92 Edition	, 1992 Add	lenda	
6. Identification of	f Components Repai	red or Replaced and I	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 No)
RC pipe line	Pullman Power Products	1RC005S001	N/A	1PRCEL0	005	1979	Repaired	YES
							<u> 2.</u>	
	3							
		·		-				
1PRCEL005 (PS) 2940436. 8. Test Conducted: N-4	V 202) to mitigate Hydrostatic Other	Pressure psi	imary Wate	er Stress Co	ng Pressure Test Ten	racking (PWSCC) IAW Exempt F	
inches, (2) info	ormation in items 1	orm of lists, sketche thru 6 on this reported ted at the to of this t	rt is include					

	FORM NIS-2 (Back)	
9.	Remarks: <u>DIWO 2967774- Install a weld overlay (WOL) on Pressurizer Dissimilar Metal Weld (DMW) on line 1PRCEL005 (PSV 202) to mitigate susceptibility to Primary Water Stress Corrosion Cracking (PWSCC) IAW DMWO 2940436.</u>	
Pre	e-Pressured Test WO Review – ISI	
	ANII_	-
	Certificate of Compliance	miry.
	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	
ľ	Continue of Authorization No.	
	Signed: Fulfold SR. ISI ENGINEER Date: 7/5/07 Owner or Owner's Designee, Title	
	CERTIFICATE OF INSERVICE INSPECTION	
	I, the undersigned, holding a valid commission issued by the National Board of boiler and Pressure Vessel Inspectors and the State or Province of <u>Arizona</u> and employed by <u>HSB CT</u> of <u>Hartford, Connecticut</u> , have inspected the components described in this Owner's report during the period of <u>5-21-07</u> to <u>7-5-07</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.	
	By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.	
	Commissions: NB 9685 "N" "I" AZ264 Inspectors Signature National Board, State, Province, and Endorsements	
1	Date:	

	ASME SECTION	XI – REPAIR / REPI	LACEMENT	•
			Pa	geof
1. Component ID 1PRCEL0	07	kantingstätingstin saan til til skulption til skulption til skulption til til skulption til til skulption til s	e para se produce a la compansión e a la estada esta estada de la estada de la estada de la estada de la estad La estada de la estada de la estada de la estada de la estada de la estada de la estada de la estada de la est	A CONTRACTOR COMMENTED EXPENSES IN CONTRACTOR PROPERTY OF A STATE OF A PROPERTY OF
2 Item Description: Piping	from Pressurizer 1MRCEX	X02 to PSV 1JRCEPSV203		
3. N-5 Data Package Number	: <u>1RC03-2</u>	4. W.O. Number:	<u> 2967779</u>	
5. Original Construction Cod	le Edition: 1974 Edition,	Summer 1975 Addenda		
6. Original Installation Code	Edition: 1974 Edition, W	inter 1975 Addenda		
	ll a weld overlay (WOL) or			
	to mitigate susceptibility to	Primary Water Stress Cor	rosion Cracking (PWS	CC) IAW DMWO
2940	436.	NDE Method of Flaw De	staatian.	
8		Report Number:	stection:	
9. Evaluation of the suitabilit	y of this work as per the re			
0.00				C. The switchility of
	is a preemptive mitigation	measure to prevent potentia	ir failure due to PWSC	C. The suitability of
this repair is fully discuss	sed in DMWO 2940436	•		•
,				
		•		/
10. Repair/Replacement Wor	k Organization: Welding	Services Incorporated		•
11. Replacement Items Const	truction or reconciled Code	/Edition: <u>N/A</u>		÷.
12. Repair/Replacement Acti	vity Construction Code/Ed	ition: Sec. III Class 1, 20	01 Edition, 2003 Adde	<u>nda</u>
13. ASME Section XI Code/I	Edition: 1992 Edition ar	nd 1992 Addenda		
14. Preservice Inspection Red	quired:			•
Initial M Data	110/07 If required	, include a step in the W.O	to perform Properties	Inspection
				inspection
15. ASME Section XI Pressu	re Test Required:	⊠ YES □ NO		•
Initial M Date 5	1007 If required	, include a step in the W.O.	for ISI & ANII Inspec	ction.
	./ 16. Includ	e a step in the W.O. to veri	fy NIS-2 Form has bee	en completed by
Initial Date S	10/07 ISI &	ANII prior to approving IN	P525 Status.	•
1.1	/ 17. Includ	e a step in the W.O. to reco	ord below all applicable	e numbers for
Initial Mate 5	//0/	ement items.	11	
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No
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10 10	led che	La Divini	1/11	10551
18. Planner Signature	10 5/10	Printed Name:	HEIBEITL	, CKEEN
	1	,	_	
19. ISI Judon	tut 5/21,	107 Printed Name:	FRED POTEE	Log Entry #
Signature /	ŕĎ	vate .		
20. ANII 25 forting	5-21	-o7 Printed Name:	R.Ce. HOGSTRO	· ·
Signature	D	Pate	1	

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

and the state of the second section and the second section is	CHARLES CONTROL FOR THE CONTROL OF T	and the second s	na population necessary and the state of the	The Conflict was a second of the Conflict Conf	** * 184 . 2 profit to a 4 profit	e de como atintado manera (litra	Mentangus terras un material de la companya del companya de la companya de la companya de la companya del companya de la compa	o de arresta de Montro de Car
1. Owner: <u>Arizo</u>	na Public Service (Company, et. al.			Date: 05/	/10/2007		
P. O. Box 53999, Phoenix Arizona 85072-2034 Sheet: <u>1</u> of <u>2</u>								
2. Plant: <u>Palo V</u>	Verde Nuclear Gen	erating Station			Unit: <u>1</u>			
<u>5801 S</u>	South Wintersburg	Road., Tonopah, A	rizona 8535	54-7529	Work Ord	er Numbe	r <u>2967779</u>	
3. Work Performe	ed by: Welding Servi	ces Incorporated			Type of Co	ode Stamp	None None	
					Authorizat	tion No.	<u>N/A</u>	
					Expiration	Date <u>N</u> /	<u>A</u> :	
4. Identification of System: Reactor Coolant System (RC)								
5. (a) Applicable	Construction Code A	ASME Section III NB	, Class 1	2001 Editio	on, <u>2003</u> Ad	denda	/	
(b) Applicable	Edition of Section >	I Utilized for Repair	s or Replace	ments: 19	992 Edition,	, 1992 Ado	denda	
6. Identification of	f Components Repai	red or Replaced and I	Replacement	Componer	nts			
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.		ther fication	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)
RC pipe line	Pullman Power Products	1RC007S001	N/A	1PRCEL	007	1979	Repaired	YES
								-
,								_
-							E .	
				,				
		ld overlay (WOL) o susceptibility to Pri						' DMWO
8. Test Conducted:	: Hydrostatic	Pneumatic [Nomi	nal Operat	ing Pressure		Exempt [
N-4	116-2 Other	Pressure psi	-		Test Tem	perature	°F	
					•			

	FORM NIS-2 (Back)
9.	Remarks: <u>DIWO 2967779</u> - Install a weld overlay (WOL) on Pressurizer Dissimilar Metal Weld (DMW) on line 1PRCEL007 (PSV 203) to mitigate susceptibility to Primary Water Stress Corrosion Cracking (PWSCC) IAW DMWO 2940436.
Pı	re-Pressured Test WO Review – ISI
	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
	Certificate of Authorization No. N/A Expiration Date: N/A Signed: Fuffort SR-ISE ENGINEER Date: 7/5/07 Owner or Owner's Designee, Title
	Owner or Owner's Designee, Title
ı	
	CERTIFICATE OF INSERVICE INSPECTION
	I, the undersigned, holding a valid commission issued by the National Board of boiler and Pressure Vessel Inspectors and the State or Province of <u>Arizona</u> and employed by <u>HSB CT</u> of <u>Hartford, Connecticut</u> , have inspected the components described in this Owner's report during the period of
	By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
	Commissions: NB 9685 "N" "I" AZ264 Inspectors Signature National Board, State, Province, and Endorsements
1	Dota: 7-5-07

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	ASME SECTION	AI – REPAIR / REPLA	CEMENT		1
and the second second second second second second second second second second second second second second second	an service and the second of the service of the second of	m vide villed vider ig vive van van van van van van van van van van	Pa	ge \	of
1. Component ID 1PRCEL01	,	<u>.</u>			
2 Item Description: RC pipi					
3. N-5 Data Package Number:		4. W.O. Number: <u>29</u>	<u>67789</u>		
5. Original Construction Code					
6. Original Installation Code F					
		n Pressurizer Dissimilar Metal y Water Stress Corrosion Cra			
8. ISI Flaw	to susceptionity to 1 times	NDE Method of Flaw Detec		<u> </u>	22 10 130.
о. <u>П</u> 101 гм.		Report Number:			
9. Evaluation of the suitability	of this work as per the rec	•			
·		measure to prevent potential f	ailure due to PWSC	C. The suita	bility of
this repair is fully discusse				,	
this repair is fully discusse	d III DIVI W O 2940430				
			•	S.,	
10 0 10 1	0 ' ' ' ' ' ' ' '		•		
10. Repair/Replacement Work	-		•	,	
11. Replacement Items Constr12. Repair/Replacement Activ			Edition 2003 Adde	nda	
13. ASME Section XI Code/E	-	id 1992 Addenda	Edition, 2003 Adder	<u>iua</u>	
	· ·	_			
14. Preservice Inspection Requ	meu:	⊠ YES ☐ NO			
Initial Date 5	16 required,	, include a step in the W.O. to	perform Preservice	Inspection	
15. ASME Section XI Pressure	e Test Required:	⊠ YES □ NO			
he held a	If required.	, include a step in the W.O. fo	r ISI & ANII Inspec	ction.	
Initial Date 5/	10/07	· .			11
Initial Date		e a step in the W.O. to verify ANII prior to approving INP5		n completed	1 by
Initial Date 5	-//	e a step in the W.O. to record ement items.	below all applicable	numbers ic)r
Itom ID			Heat No.	MD/D	ΟΛΙΛΟ Νο
Item ID	Part No.	Serial No.	Heat No.	MINI	O/WO No.
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				1	
				+	
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·					
11/1	7.1		1 , ~ .		
18. Planner Signature	Ju 5/19	Printed Name:	ledert 6	EEN	
J. Orginature	, , .				
19. ISI Juddot	of 5/2/1	107 Printed Name: E	RED POTEET	Log En	try_78_
Signature	/ / _D	Date			
20. ANII 72 Systrome	5-21-	o7 Printed Name	RG HOGESTRO	М	
Signature		Pate			

1. Owner: Arizon	na Public Service (Company, et. al.	etneme. Li Monaratima igini 272. pilotishi di 11.5 filo e et	more whose the large state of the second	Date: <u>05/</u>	/10/2007	e fine in which is a second of the second of		
<u>P. O. F</u>	Box 53999, Phoeni	x Arizona 85072-20)34		Sheet:	<u>1</u> of <u>2</u>	4		
2. Plant: <u>Palo V</u>	erde Nuclear Gene	erating Station			Unit: 1				
<u>5801 S</u>	South Wintersburg	Road., Tonopah, A	rizona 8535	54-752 <u>9</u>	Work Ord	er Number	<u>2967789</u>		
3. Work-Performe	ed by: Welding Servi	ces Incorporated			Type of C	ode Stamp	<u>None</u>		
	•	e .	,		Authorizat	tion No.	N/A		
	· •	· ·			Expiration	Date N/	<u>A</u>		
4. Identification of System: Reactor Coolant System (RC)									
5. (a) Applicable	5. (a) Applicable Construction Code ASME Section III NB, Class 1 2001 Edition, 2003 Addenda								
(b) Applicable	Edition of Section X	I Utilized for Repair	s or Replace	ments: 19	992 Edition,	, 1992 Ado	lenda		
6. Identification o	f Components Repai	red or Replaced and I	Replacement	Compone	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)	
RC pipe line	Pullman Power Products	N9367	N/A	1PRCEL	018	1979	Repaired	YES	
/								·	
						·			
							.		
							·	·	
7. Description of Work: Install a weld overlay (WOL) on Pressurizer Dissimilar Metal Weld (DMW) on line 1PRCEL018 to mitigate susceptibility to Primary Water Stress Corrosion Cracking (PWSCC) IAW DMWO 2940436. 8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐									
N-4	416-2 Other	Pressure psi	i		Test Tem	perature	°F		
			•				•		
inches, (2) info	ormation in items 1	orm of lists, sketched thru 6 on this repo	rt is include						

FORM	NIS-2	(Back)
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9.		Mark Mark
!	1PRCEL018 to mitigate susceptibility to Primary Water Stress Corrosion Cracking (PWSCC) IAW DMWO 2940436.	
p,	re-Pressured Test WO Review – ISI	
11	16-1 lessured lest wo keview – 151	
	ANII	
		_
	Certificate of Compliance	ı
	We certify that the statements made in the report are correct and this repair conforms to the rules of the ASME	- 1
	Code, Section XI.	
٠.	Trube Code Combal Status	I
	Type Code Symbol Stamp N/A	ı
	Certificate of Authorization No. N/A Expiration Date: N/A	ł
		1
	Signed: Juffortut SR. ISI ENGINEER Date: 7/5/07 Owner or Owner's Designee, Title	- 1
į	Owner or Owner's Designee, Title	
		- 1
7.		
ige in the		
	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	
	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	
	I, the undersigned, holding a valid commission issued by the National Board of boiler and Pressure Vessel	
	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	
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	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	
	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	
	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	
	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 5-21-07 to 7-5-07, 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.	
	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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	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 5-21-07 to 7-5-07, 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.	
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	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 5-21-07 to 7-5-07, 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	
	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 5-21-07 to 7-5-07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions: NB 9685 "N" "I" AZ264 National Board State Province and Endorsements	

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	ASME SECTION	XI – REPAIR / REPL	ACEMENT	
			Pag	geof
1. Component ID 1PRCELO	028	i Senta e	S MATERIA DE PROPERTO DE LA MATERIA DE LA MATERIA DE LA MATERIA DE LA MATERIA DE LA MATERIA DE LA MATERIA DE L La materia de la materia de la materia de la materia de la materia de la materia de la materia de la materia d	ti yan kemenda sengan yanan kenala bili binangi mengitik danggaria mili bili mengan kenala se
2 Item Description: RC pi	oing from Pressurizer 1MRC	CEX02 to Hot Leg		
3. N-5 Data Package Number	r: <u>1RC01-2</u>	4. W.O. Number:	<u> 2967794</u>	
5. Original Construction Cod				:
6. Original Installation Code				
	all a weld overlay (WOL) or gate susceptibility to Primar			
8. SI Flaw	gate susceptibility to 1 Timal	NDE Method of Flaw De		W DIVI W O 2940430.
		Report Number:	totton.	
9. Evaluation of the suitabili	ty of this work as per the re-	-		
The weld overlay repair	is a preemptive mitigation	measure to prevent potentia	I failure due to PWSC	C. The suitability of
this repair is fully discus	sed in DMWO 2940436	•		
, ,				<u>:</u>
10. Repair/Replacement Wo	rk Organization: Welding	Services Incorporated		,
11. Replacement Items Cons	truction or reconciled Code	/Edition: <u>N/A</u>		
12. Repair/Replacement Act	ivity Construction Code/Edi	tion: Sec. III Class 1, 200	1 Edition, 2003 Adder	<u>nda</u>
13. ASME Section XI Code/	Edition: 1992 Edition an	d 1992 Addenda	•	
14. Preservice Inspection Re	quired:			•
Initial Date S	-/12/2 If required	, include a step in the W.O.	to perform Preservice	Increation
15. ASME Section XI Pressu	•	XES NO	to perform reservice	Inspection
13. ASME Section At Fless			for ict o Aniii i	
Initial Date 5	/10/07 11 required	, include a step in the W.O.	for 151 & AINII Inspec	tion.
Initial M Date S		e a step in the W.O. to verif ANII prior to approving IN		n completed by
1011				
Initial Date S		e a step in the W.O. to reco	rd below all applicable	numbers for
Item ID	Part No.	Serial No.	Heat No.	T MD/DO/WO No
Rem ID	rattivo.	Serial No.	Heat No.	MR/PO/WO No.
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		•		
 				
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18. Planner	lufu 5/0	Printed Name:	Herbert L.	Green
Signature	D			
19. ISI Tuel of	5/2	1/07 Printed Name:	FRED POTEET	Log Entry #
Signature	D	ate Timed Name.	, , 0,000	Log Entry #
20 ANIII 24 to tron	5-71-	Printed Name:		
20. ANII Signature		Printed Name:	7.50	
V				

and the second of the second o	en accomme en accesso de la companyación	and the management of the state	galant productions	ed and one of the constitution of the other section and	no mangara 10 janggan 20 jan	William Control of the Control of th	e de la companya de l		
1. Owner: <u>Arizo</u>	na Public Service (Company, et. al.		Date: <u>05/</u>	10/2007				
<u>P. O. I</u>	Box 53999, Phoeni	x Arizona 85072-20)34	Sheet:	<u>1</u> of <u>2</u>				
2. Plant: Palo V	erde Nuclear Gene	erating Station		Unit: <u>1</u>					
<u>5801 S</u>	South Wintersburg	Road., Tonopah, A	rizona 8535	4-7529 Work Ord	er Number	2967794			
3. Work Performe	ed by: Welding Servi	ces Incorporated		Type of Co	ode Stamp	None			
		,		Authorizat	tion No.	<u>N/A</u>			
Expiration Date <u>N/A</u>									
4. Identification of System: Reactor Coolant System (RC)									
5. (a) Applicable	Construction Code A	ASME Section III NB	, Class 1 2	2001 Edition, <u>2003</u> Ad	denda	1			
(b) Applicable	Edition of Section X	KI Utilized for Repair	s or Replace	ments: 1992 Edition,	, 1992 Add	denda			
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)		
RC pipe line	Pullman Power Products	N5251	N/A	1PRCEL028	1977	Repaired	YES		
	·								
	·								
			·			5 •			
-¢.	K P						,		
7. Description of Work: Install a weld overlay (WOL) on Pressurizer Dissimilar Metal Weld (DMW) on line 1PRCEL028 to mitigate susceptibility to Primary Water Stress Corrosion Cracking (PWSCC) IAW DMWO 2940436.									
8. Test Conducted:	: Hydrostatic	Pneumatic [Nomi	nal Operating Pressure		Exempt [
N-4	16-2 Other	Pressure psi		Test Tem	perature	°F			
The same		· · · · · · · · · · · · · · · · · · ·							
inches, (2) info	rmation in items 1		rt is include	ngs may be used pro d on each sheet, and					

	FORM NIS-2 (Back)
9.	Remarks: <u>DIWO 2967794- Install a weld overlay (WOL) on Pressurizer Dissimilar Metal Weld (DMW) on line 1PRCEL028 to mitigate susceptibility to Primary Water Stress Corrosion Cracking (PWSCC) IAW DMWO 2940436.</u>
Pr	e-Pressured Test WO Review – ISI
	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
	Certificate of Authorization No. N/A Expiration Date: N/A
	Signed: Juffert SR-ISI ENGINEER Date: 7/5/07 Owner or Owner's Designee, Title
	Owner or Owner's Designee, Title
ı	
	CERTIFICATE OF INSERVICE INSPECTION
	I, the undersigned, holding a valid commission issued by the National Board of boiler and Pressure Vessel Inspectors and the State or Province of <u>Arizona</u> and employed by <u>HSB CT</u> of <u>Hartford, Connecticut</u> , have inspected the components described in this Owner's report during the period of <u>5-21-07</u> to <u>7-5-07</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
	By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Inspectors Signature

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

	ASME SECTION	AI - REPAIR / REPL	ACEMENT Pa	ge of
1. Component ID <u>1PRCEL028</u>		eriil eenmane, kila jalas ootte maa ta liikkan in teen saan saan ee ee eens		
2 Item Description: RC pipin	Section 1997	CEX02 to Hot Leg		
3. N-5 Data Package Number:	1RC01-2	4. W.O. Number: 25	<u>967797</u>	
5. Original Construction Code	Edition: 1974 Edition,	Summer 1975 Addenda		
6. Original Installation Code Ed	dition: 1974 Edition, W	inter 1975 Addenda		
		n Dissimilar Metal Weld (DM		
	e susceptibility to Primar	y Water Stress Corrosion Cr		<u>W DMWO 2940436.</u>
8. ISI Flaw		NDE Method of Flaw Dete	ection:	
O Francisco de de la labilitación	- f . L	Report Number:		
9. Evaluation of the suitability	•	•		
		measure to prevent potential	failure due to PWSC	C. The suitability of
this repair is fully discussed	in DMWO 2940436			
				••••
10. Repair/Replacement Work		- · · · · · · · · · · · · · · · · · · ·		
11. Replacement Items Constru				7
12. Repair/Replacement Activit	•		Edition, 2003 Adder	<u>nda</u>
13. ASME Section XI Code/Ed	ition: 1992 Edition an	d 1992 Addenda	•	
14. Preservice Inspection Requi	red:	⊠ YES □ NO		
Initial Date 5/4	If required	, include a step in the W.O. t	o nerform Preservice	Inspection
15. ASME Section XI Pressure		⊠ YES □ NO	· ·	nispection .
13. ASIVIE Section AT Flessure	_		TOT O ANTEL	.•
Initial Date S/14	If required	, include a step in the W.O. f	or 181 & ANII Inspec	tion.
Initial All Date 5/0		e a step in the W.O. to verify		n completed by
Initial July Specific	ISI &	ANII prior to approving INP	525 Status.	
Initial Date 5/0		e a step in the W.O. to record	l below all applicable	numbers for
Initial Date 17.	replace	ement items.		
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
3/97			<u> </u>	
				<u> </u>
	· .			
1///	<u>,</u>			
18. Planner Just Just	- 5/10	Printed Name:	kebert L.	SIPPN
Signature	7.6	Pate		
10 101 4 Alx	t -h.	la 7 Division	GOEN D	1-5: 10
19. ISI Signature		YUZ Printed Name: Z	KUP POTEET	Log Entry J
1		_	0 . 1	
20. ANC 24 4x 14-	··21-	Printed Name: _	R.G. HOGSTRO	Μ .
Signaruje	D	ate		

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1. Owner: <u>Arizo</u> i	na Public Service (Company, et. al.			Date: 05/	/10/2007		
<u>P. O. I</u>	30x 53999, Phoeni	x Arizona 85072-20	034		Sheet:	1 of 2		
2. Plant: Palo V	erde Nuclear Gene	erating Station			Unit: <u>1</u>			
<u>5801 S</u>	South Wintersburg	Road., Tonopah, A	rizona 8535	<u>54-7529</u>	Work Ord	er Numbe	r <u>2967797</u>	
3. Work Performe	d by: Welding Servi	ces Incorporated			Type of C	ode Stamp	None None	
					Authorizat	tion No.	<u>N/A</u>	
					Expiration	Date N/	<u>'A</u>	
4. Identification of System: Reactor Coolant System (RC)								
5. (a) Applicable Construction Code ASME Section III NB, Class 1 2001 Edition, 2003 Addenda								
(b) Applicable	Edition of Section X	I Utilized for Repair	s or Replace	ments: 19	92 Edition,	, 1992 Ado	denda	
6. Identification of	f Components Repai	red or Replaced and I	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 No)
RC pipe line	Pullman Power Products	N5279	N/A	1PRCEL0	28	1977	Repaired	YES
./								,
			·				·	
	4				, .		ge Wes	
		l overlay (WOL) on I r Stress Corrosion Cr					EL028 to Hot Lo	eg to
8. Test Conducted	: Hydrostatic	Pneumatic [Nomi	nal Operati	ng Pressure	: 🛛]	Exempt	
N-4	416-2 Other	Pressure psi			Test Tem	perature	°F	
j inches, (2) info	ormation in items 1	form of lists, sketched thru 6 on this repoled at the to of this	rt is include					

FORM NIS-2 (Back)

	lay (WOL) on Dissimilar Metal Weld (DMW) on line 1PRCEL028 to Hot Stress Corrosion Cracking (PWSCC) IAW DMWO 2940436.
e-Pressured Test WO Review – ISI	
ANII	
Cer	tificate of Compliance
We certify that the statements made in the re Code, Section XI.	eport are correct and this repair conforms to the rules of the ASME
Type Code Symbol Stamp	N/A
Certificate of Authorization No.	N/A Expiration Date: N/A
Signed: Justiff So IS	TENGMEER Date: 7/5/07
Owner or Owner's Desig	gnee, Title
•	
CERTIFICATE	OF INSERVICE INSPECTION
,	
I, the undersigned, holding a valid commis	sion issued by the National Board of boiler and Pressure Vessel
	zona and employed by HSB CT of Hartford, Connecticut, have
inspected the components described in this	
	to the best of my knowledge and belief, the Owner has performed
	res described in this Owner's Report in accordance with the
requirements of the ASME Code, Section X	I.
.**	
	ector nor his employer makes any warranty, expressed or implied,
	measures described in this Owner's report. Furthermore, neither
	le in any manner for any personal injury or property damage or a
loss of any kind arising from or connected w	ith this inspection.
01/-	
LD typ trom	Commissions: <u>NB 9685 "N" "I" AZ264</u>
Inspectors Signature	National Board, State, Province, and Endorsements
Date: 7-5-07	
	

V216-08NI (8-88)

	ASME SECTION	XI – REFAIR / REPLA	CEMENT	
and the second s	ing considerate on the problems of the problem		Pa	gel_ofl
1. Component ID <u>1PSGEV</u>	026		g ²	***
2 Item Description: 2"-150	00# Y- Globe Valve			
3. N-5 Data Package Number		4. W.O. Number: 29	779249	
5. Original Construction Co.				
6. Original Installation Code				
8. ISI Flaw	ssemble and inspect valve	due to seat leakage. Rework / NDE Method of Flaw Dete		essary.
o. 🔛 ISI Maw		Report Number: N/A	ction: N/A	
9. Evaluation of the suitabili	ty of this work as per the r	•		
	•	f disc is required to be replace	d it will be due to no	rmal wear
·				
		ϵ		<i>:</i>
10. Repair/Replacement Wo	rk Organization: <u>Arizon</u> a	Public Service		
11. Replacement Items Cons	truction or reconciled Cod	e/Edition: Sec. III Cl 2, 197	4 Edition 1976 Sumr	ner Addenda
·	•	dition: Sec. III Cl 2, 1974 Ed	lition 1975 Winter A	ddenda
13. ASME Section XI Code/	Edition: 1992 Edition a	nd 1992 Addenda		
14. Preservice Inspection Re	quired:	☐ YES ⊠ NO	•	
Initial Druff Date 5	-4-07 If require	d, include a step in the W.O. to	perform Preservice	Inspection
15. ASME Section XI Pressu	•	YES 6-18-07 NO		
Initial Day 7 Date _	If required	d, include a step in the W.O. for	or ISI & ANII Inspec	ction.
· •		de a step in the W.O. to verify	NIS-2 Form has bee	n completed by
Initial Pury Date 5	<i> </i>	ANII prior to approving INP:		compressed by
Initial Dang Date 5		de a step in the W.O. to record	below all applicable	e numbers for
•		cement items.		
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
Disc	APN 45050084	23500-1-19	NIA	MR 1220395
7 (* 1886) 12 (* 1874) 12 (* 1874) 13 (* 1874)		, .		
<u> </u>				
,				
18. Planner Signature		Date	DAUJO M. C	
DAL	fan -/	4/07	PPL das	
19. ISI Signature	SUT 3/8	14/07 Printed Name:	J o way	Log Entry_2/4/9/
74/-				
20. ANII Signalute	5-4	Oate Printed Name:	K-CX MOCESTRO	<u>'</u>
Signardic		- Land		

1. Owner: <u>Arizo</u> ı	na Public Service (Company, et. al.			Date: <u>6/1</u>	7/2007	e de la companya de l	en en en en en en en en en en en en en e	
P. O. Box 53999, Phoenix Arizona 85072-2034					Sheet: <u>1</u> of <u>2</u>				
2. Plant: Palo Verde Nuclear Generating Station				Unit: 1					
<u>5801 S</u>	South Wintersburg	Road., Tonopah, A	rizona 8535	54-7529	Work Ord	er Numbe	r <u>2979249</u>		
3. Work Performe	d by: <u>Arizona Public</u>	c Service		٠	Type of C	ode Stamp	None None		
:			,		Authoriza	tion No.	N/A		
					Expiration	Date <u>N</u> /	<u>'A</u>		
4. Identification of	f System: <u>SG: Mair</u>	n Steam System					÷ ;		
5. (a) Applicable	Construction Code <u>A</u>	ASME Section III NC	C, Class 2	1 <u>974</u> Edition	n, <u>Summer</u>	<u>1976</u> Add	enda, / Co	de Case	
(b) Applicable	Edition of Section X	I Utilized for Repair	s or Replace	ments: 19	92 Edition.	, 1992 Add	denda		
6. Identification of	f Components Repai	red or Replaced and I	Replacement	Componen	ts			٠,	
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Otl Identif		Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)	
Valve	Kerotest	ASG3-10	N/A	1PSGEV0)26	1981	Repaired	YES	
Disc	Flowserve	23500-1-19	N/A	1PSGEV0)26	2006	Replacement	Yes	
	1986						2.		
								· .	
7. Description of V	Vork: <u>Disassemble</u>	e valve, inspect and	rework to	correct sea	t leakage.				
8. Test Conducted:	: Hydrostatic	Pneumatic [] Nomi	nal Operati	ng Pressure	e 🗍 🗆	Exempt 🛭		
N-4	16-2 Other	Pressure psi			Test Tem	nperature	°F		
inches, (2) info	rmation in items 1	orm of lists, sketched thru 6 on this reported at the to of this t	rt is include						

 Remarks: WO# 2979249 for valve 1PSG stem/disc assembly was replaced to correct 			
D. AT. WOD ICI		48.00 (4), (1)	
re-Pressured Test WO Review – ISI			,
ANII			
· · · · · · · · · · · · · · · · · · ·			
	Certificate of C	ompliance	
We certify that the statements made in ASME Code, Section XI.		•	rms to the rules of t
We certify that the statements made in ASME Code, Section XI.	the report are correct	•	rms to the rules of t
We certify that the statements made in	the report are correct N/A	and this replacement confo	
We certify that the statements made in ASME Code, Section XI. Type Code Symbol Stamp Certificate of Authorization No.	the report are correct N/A N/A	and this replacement confo	N/A
We certify that the statements made in ASME Code, Section XI. Type Code Symbol Stamp	the report are correct N/A N/A N/A	and this replacement confo	N/A
We certify that the statements made in ASME Code, Section XI. Type Code Symbol Stamp Certificate of Authorization No. Signed:	the report are correct N/A N/A N/A	and this replacement confo	N/A
We certify that the statements made in ASME Code, Section XI. Type Code Symbol Stamp Certificate of Authorization No. Signed:	the report are correct N/A N/A N/A	and this replacement confo	N/A

I, the undersigned, holding a valid commission issued Inspectors and the State or Province of <u>Arizona</u> and eminspected the components described in this Owner's reto, and state that to the best of examinations and taken corrective measures described.	reployed by HSB CT of Hartford, Connecticut, have report during the period of
requirements of the ASME Code, Section XI.	▲ 21
-	
•	
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 moloss of any kind arising from or connected with this inspector.	described in this Owner's report. Furthermore, neither nanner for any personal injury or property damage or a
Inspectors Signature	Commissions: NB 9685 "N" "I" AZ264 National Board, State, Province, and Endorsements
Date: 6-18-07	_

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_
1. Manufa	ctured and certified by	lowserve Corporation 1900					
	,			d address of NPT Cer			
	,	Capital Corp/Disbursement	(name and a	iddress of purchaser)			
3. Locatio	n of installation APS-PALC	VERDE/Arizona Public Serv	ice Palo Verd	Plant/P.O. Box	52034, Phoenix	AZ 85072-2034	
•	72599749 REV C	SA479, TP 316	N//	ame and address)	N/A	2006	
4. Type	(drawing no.)	(mat'l. spec. no.) 1974	(lensile stree SUMMER	-	(CRN) 2	(year built) 1539-1 (N-30-1),	, 197
5. ASME	Code, Section III, Division 1:	(edition)	(addenda	date)	(class)	(Code Case no.)	
6. Fabrica	ted in accordance with Cons	st. Spec. (Div. 2 only)	N/A	Revision	N/A	DateN/A	
0, (05,105			(no.)				
7. Remark	s: STEM/DISK ASSY FOR	A 1" 600# KEROTEST Y-GI	OBE VALVE				
, riomani	•				,		
<u>:</u>							
3 N 46	···················N/A	Min. design thickness (in.)	Per #4 D	- ID (#+ B- :-)	N/A .	th overall (ft & in) N/	Ά
				a. ID (ft & in.)	Leng	oth overall (ft & in.) N/	
). When a	pplicable, Certificate Holder	s' Data Reports are attached	for each item	of this report:		÷ .	
		N-AiA					
	Part or Appurtenance	National Board No.	1 1	Part or Appur	tenance	National Board No.	
	Serial Number	in Numerical Order]] .	Serial Nur		in Numerical Order	
1			1 1	,			
	23500-1-19	N/A	1000				
(1) —	23500-1-20	N/A					
		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
1 ' '			1 1		1		
(5)							
(6)		<u></u>			4 -		
1 '							
(8)/			(33)				
(9)			(34)	· · · · · · · · · · · · · · · · · · ·			
(10)			(35)				
(11)			(36)				
(12)			(37)				
(13)			(38)			·	
(14)			(39)				
			(40)				
(16)			(41)				
(17)			(42)			·	
(18)			(43)				
1 ' ' '			1 1				
1 '							
1			1 1				
1		······································	1 1				
			1 1				
	·)		1 1 1	· · · · · · · · · · · · · · · · · · ·			
1(23)			[150]				
L	1020						

plemental information in the form of lists, sketches, or drawings may be used provided (1) size is $8\frac{1}{2} \times 11$, (2) information in items 2 and 3 on this Data Report is 3 ded on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

at temp. °F

(when applicable)

10. Design pressure

FORM N-2 (Back — Pg. 2 of ____)

v	Certificate Hold	er's Serial Nos		through.	23500-1-20
	CERTIFICATION OF I	DESIGN			
Design specifications certified by	(when applicable)	P.E. State			
Design report* certified by N/A	(when applicable)	P.E. State	N/A	Reg. no.	N/A
	CERTIFICATE OF COM	PLIANCE			
conforms to the rules of construction o	this report are correct and that this (these f the ASME Code, Section III, Division 1. N-1563		Pari 11-26-06		
/ /	lowserve Corporation (NPT Certificate Holder)	Signed	lauthoriz	ed representati	ive)
	CERTIFICATE OF INSE	PECTION		f	•
of NC and employed by		·			
best of my knowledge and belief, the C III, Division 1. Each part listed has been	e inspected these items described in this ertificate Holder has fabricated these part authorized for stamping on the date sho	s or appurtenances wn above.	in accordance w	ith the ASN	ME Code, Section
	spector nor his employer makes any warr. r the inspector nor his employer shall be lected with this inspection.			-	
Date	11M. Tull	Commissions A	C#1421		

	ASME SECTION X	I – REPAIR / REPL	ACEMENT	
			Pag	e of
1. Component ID 1JRCBHV	70109	è		18. (19.)
2 Item Description: PRESS	URIZER VENT VALVE	• •		
3. N-5 Data Package Number	: <u>1RC03-2</u>	4. W.O. Number: <u>2</u>	<u>991357</u>	
5. Original Construction Cod	the state of the s			
6. Original Installation Code				
7. Work Description: <u>REW</u>				
8. 🗌 ISI Flaw		NDE Method of Flaw Det	ection:	
9. Evaluation of the suitabilit	· ·	Report Number:	•	
	· .		I DID A DAY	
REWORK VALVEINII	ERNALS, NO FAILURE OF	ASME SECTION III BO	UNDAKY	
	•			
	•			·
		•		
10. Repair/Replacement Wor				
11. Replacement Items Cons				· ·
12. Repair/Replacement Acti	* * * * * * * * * * * * * * * * * * * *		dition 1975 Winter Ac	<u>ldenda</u>
13. ASME Section XI Code/	_	_		·
14. Preservice Inspection Rec		☐ YES ⊠ NO		•
Initial 40 Date 4/	17/07 If required, i	include a step in the W.O.	to perform Preservice	Inspection
15. ASME Section XI Pressu	re Test Required:	☐ YES 🔀 NO		•
Initial LO Date 4	If required, i	include a step in the W.O.	for ISI & ANII Inspect	tion.
Initial LOO Date 4		a step in the W.O. to verify NII prior to approving INF		n completed by
Initial <u>GEO</u> Date <u>4</u>	-17-09 17. Include replacen	a step in the W.O. to recornent items.	d below all applicable	numbers for
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
MAIN DISC	204855-2	5N338	Po 932	01212619 -
				보고 사
- <u> </u>			· · · · · · · · · · · · · · · · · · ·	
			······································	<u> </u>
00	1 (1)	- / -	c 10	2-47
18. Planner Signature	under 7/1	Printed Name: _	(sero/d)/s	mundson
	/)			
19. ISI	4-17-	Printed Name:	K.L. BROWN	Log Entry
Signature /	Dat	te .		V)
20. ANII A Ty	4-17-0	7 Printed Name:	R.G. HOGESTROM	n .
Signature	Dat			

(v)

1. Owner: <u>Arizona</u>	Public Service Co	mpany, et. al.			Date:	06-27-200)7	7. 70 passizan (1.3. 1.3. 1.4. 5. 1.4. 5. 1.4. 5. 1.4. 5. 1.4. 5. 1.4. 5. 1.4. 5. 1.4. 5. 1.4. 5. 1.4. 5. 1.4.	
<u>P. O. Bo</u>	x 53999, Phoenix	<u> Arizona 85072-20</u>	034		Sheet:	<u>1</u> of	2 .		
2. Plant: Palo Verde Nuclear Generating Station						Unit: 1			
5801 South Wintersburg Road., Tonopah, Arizona 85354-7529 Work Order Number 2991357							,		
3. Work Performed by: <u>Arizona Public Service Co.</u> Type of Code Stamp <u>None</u>									
5801 S. Wintersburg Rd., Tonopah, Arizona, 85354-7529 Authorization No. N/A									
]	Expira	tion Date	<u>N/A</u>		
4. Identification of S	ystem: 1RC03-2				٠				
5. (a) Applicable Co	onstruction Code <u>AS</u>	ME Section III NB	Class 1	1 <u>977</u> Edition	, Wint	<u>er 1978</u> Ac	ldenda,/ <u>N/A</u> Code	e Case	
(b) Applicable Ed	dition of Section XI	Utilized for Repairs	s or Replaceme	ents: <u>1992 I</u>	Editio	n, 1992 A	<u>ddenda</u>		
6. Identification of C	Components Repaired	d or Replaced and I	Replacement C	omponents		f			
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identifica		Year Built	Repaired or Replacement	ASME Code Stamped	
··								(Yes or NO)	
Main Disc	Target Rock	338	N/A	1JRCBHV	0109	2005	Replacement	Yes	
							·		
-4:		· · · · · · · · · · · · · · · · · · ·					± -		
			·						
·	·							· · · · · · · · · · · · · · · · · · ·	
7. Description of Wo	rk: Rework internal	s, replace main dis	с.						
8. Test Conducted: H	Hydrostatic	Pneumatic	Nominal Oper	ating Pressu	re 🔲	Exem	pt 🛛 N-416	5-2	
Other	Pressi	ıre psi		•	Test	Temperatu	re°F		
**************************************		1							
NOTE: Supplem inches, (2) inform	nation in items 1 th	uru 6 on this repo	rt is included						

FORM	M NIS-2 (Back)
9. Remarks: WO 2991357 REPLACED MAIN DISC	AND REASSEMBLED VALVE
Market American Commence	
Pre-Pressured Test WO Review – ISI	//
ANII	184
Certific	cate of Compliance
We certify that the statements made in the report ASME Code, Section XI.	are correct and this replacement conforms to the rules of the
Type Code Symbol StampN	N/A
Certificate of Authorization No.	N/A Expiration Date: N/A
Signed: WLB	N/A Expiration Date: N/A Solution Date: N/A Date: N/A
Owner of Owner's Designee, T	itle
CERTIFICATE OF	INSERVICE INSPECTION
	issued by the National Board of boiler and Pressure Vessel and employed by HSB CT of Hartford, Connecticut , have
inspected the components described in this Own	ner's report during the period of 4-17-07
	e best of my knowledge and belief, the Owner has performed described in this Owner's Report in accordance with the
requirements of the ASME Code, Section XI.	No.
By signing this certificate, neither the Inspector	nor his employer makes any warranty, expressed or implied,
concerning the examinations and corrective mea-	sures 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	
24/+	
Incocators Cimatura	Commissions: NB 9685 "N" "I" AZ264 National Board, State, Province, and Endorsements
inspectors signature	
Date: 6-27-07	I I

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES* As Required by the Provisions of the ASME Code, Section III

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

Pg. 1 of 2

	Arizona Public Service Co.; F (name and address of Pu	urchaser)		
	Palo Verde Nuclear Ger (na	nerating Station; Winterslame and address)	burg Rd.; Tonopah	n, AZ
Type 204751-1 (drawing no.)	SA564 630 (mat'l. spec. no.)	140 ksi (tensile strength)	(CRN)	2005 (year built)
	l, Division 1: 1989 (edition)	None (addenda date)		None (Code Case no
Fabricated in accordan	ce with Const. Spec. (Div. 2	only) N/A Rev	ision N/A D	Date <u>N/A</u>
Remarks: Main D Spare	lsc (Part of Main & Pilo part for valve model no. 98F	t Disc Set p/n 204855-2) 001		
When applicable, Certi	N/A Min. design thickness ficate Holders' Data Reports National	are attached for each ite	m of this report:	National
Serial Number (1) 316 (2) 319 (3) 325 (4) 3.33	Board No. In Numerical Order NA	(26) (27) (28) (29) (30)		Board No. umerical Order

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

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

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

Certificate Holder's Serial Nos. 204751-1 s/n 316, 319, 325, 333, 338 & 343

	CERTIFICATION OF DESIG	GN					
Design specifications certified by _	Jose Aguila Daza	P.E. State <u>AZ</u> Reg. No. <u>24485</u>					
Design report* certified by	(when applicable) W. R. D. Kerr (when applicable)	P.E. State <u>VA</u> Reg. No. <u>024868</u>					
CERTIFICATE OF COMPLIANCE							
We certify that the statements made in this report are correct and that this (these) Parts conforms to the rules for construction of the ASME Code, Section III, Division 1.							
NPT Certificate of Authorization No							
Date 4/21/2005 Name	Target Rock NPT Certificate Holder)	Signed R. E. Glazier; QA Manager (authorized representative)					
	CERTIFICATE OF INSPECT	ON					
I, 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 OneBeacon America Insurance Co. of Boston, MA have inspected the pump, or valve, described in this Data Report on 1/2012005 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.							
By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.							
Date 4/21/05 Signed (Authorized Inspector) Commissions N.1. 5102 (Authorized Inspector) (Nat'l. Bd. (Incl. endorsements) and state or prov. and no.)							
	•						

	ASME SECTION	XI - REPAIR / REPI	ACEMENT						
	errennen er en en en en en en en en en en en en en		Pa	ge of\					
1. Component ID <u>1MCHAX</u>	05	and the second s							
2 Item Description: Greer I			**	•					
3. N-5 Data Package Number		4. W.O. Number:	<u>3014269</u>						
·	 5. Original Construction Code Edition: 1977 Edition, Winter 1977 Addenda 6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda 								
_									
7. Work Description: <u>Disast</u>8. ☐ ISI Flaw	ssembly of charging pump	NDE Method of Flaw De							
о. <u>П</u> 1511 Iaw		Report Number: n/a	dection. If a						
9. Evaluation of the suitabilit	y of this work as per the re	•							
9. Evaluation of the suitability of this work as per the requirements of IWA - 4150: Not a failure of the ASME III pressure boundary. The valve stem is a code part that is part of the bladder. Replacement III pressure boundary. The valve stem is a code part that is part of the bladder. Replacement Work Organization: Arizona Public Service 10. Repair/Replacement Work Organization: Arizona Public Service 11. Replacement Items Construction or reconciled Code/Edition: Sec III Cl 2, 1977 Edition 1977 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 Part Date 5-15-07 If required, include a step in the W.O. to perform Preservice Inspection 15. ASME Section XI Pressure Test Required: YES NO Initial Date 5-15-07 If required, include a step in the W.O. for ISI & ANII Inspection. 16. Include a step in the W.O. to verify NIS-2 Form has been completed by ISI & ANII prior to approving INP525 Status.									
Initial May 1, Date 5	replace	de a step in the W.O. to recomment items.	ла осюж ан аррнсаон	e numbers for					
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.					
Suction Stabilizer	N/A	6117	N/A	N/A					
Valve Stem	APN 45004042	1208A-17	56110	MR 1224488					
		:		12 ₉ to					
				×.					
	10 101								
18. Planner Signature 19. ISI Signature	lap 5-15	Date	DIVID M.	GOODLET Log Entry RAD					
20. ANII 2 1	5-1	5-57 Printed Name:	C.L. Howste	,pec.					
Signature		Date Printed Name:							

PV216-08NI (8-88)

73DP-9ZZ17 Rev 9

Charles and the control of the contr		STATE OF THE STATE	CONTRACTOR OF THE ASSESSMENT OF THE	THE WORLD CONTRACT OF THE PARTY	San and the second of the second section	and in the case of		en en en en en en en en en en en en en e
1. Owner: Arizon	na Public Service (Company, et. al.			Date: <u>5-1</u>	8-2007	,	
<u>P. O. F</u>	Box 53999, Phoeni	x Arizona 85072-20	034		Sheet:	<u>1</u> of <u>2</u>		स ः
2. Plant: <u>Palo V</u>	verde Nuclear Gene	erating Station			Unit: 1			
<u>5801 S</u>	South Wintersburg	Road., Tonopah, A	rizona 8535	54-7529	Work Ord	er Numbe	3014269	
3. Work Performe	र्वे by: <u>Arizona Public</u>	Service			Type of C	ode Stamp	None None	
			,		Authorizat	tion No.	N/A	
					Expiration	Date <u>N/</u>	<u>A</u>	
4. Identification o	f System: <u>CH: Che</u>	mical & Volumn Con	trol System			·	51 . 10 ₁ .	
5. (a) Applicable	Construction Code A	ASME Section III NC	C, Class 2	1 <u>977</u> Editio	n, Winter 1	<u>977</u> Adde	nda, Code	e Case
(b) Applicable	Edition of Section X	(I Utilized for Repair	s or Replace	ments: 199	2 Edition	1992 Ad	ldenda	
6. Identification o	f Components Repai	red or Replaced and I	Replacement	Componer	nts			
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identification		Year Built	Repaired or Replacement	ASME Code Stamped (Yes or
Suction Stabilizer	Greer Hydraulics	6117	N/A	IMCHAX05		1980	Repaired	YES
Valve Stem	Westinghouse	1208A-17	N/A	1MCHA2	Κ 05	2003	Replacement	NO
							·	
,							2	
								·
7. Description of V	Work: <u>Disassembl</u>	e the suction stabili	zer for blac	lder replac	ement.	<u> </u>	<u> </u>	
8. Test Conducted	l: Hydrostatic	Pneumatic [Nom	inal Operat	ing Pressur	e 🔲	Exempt 🛚	
N	416-2 Other	r Pressure ps	i		Test Ten	nperáture	°F	
inches, (2) info	ormation in items	form of lists, sketch I thru 6 on this repo ded at the to of this	ort is includ					

	FORM NIS-2 (Back)						
	Remarks: WO# 3014269 for suction stabilizer 1MCHAX05. The bladder replacement includes the stem as a code pressure retaining part. The bladder was replaced due to noise from the wear plate (button) at bottom of the bladder being loose.						
Pr	Pre-Pressured Test WO Review – ISI						
	Certificate of Compliance						
	We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.						
	Type Code Symbol Stamp N/A						
	Certificate of Authorization No. N/A Expiration Date: N/A						
	Signed: R.L.Bizarum K SIENG Date: 5-18-07 Owner of Owner's Designee, Title						

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued Inspectors and the State or Province of <u>Arizona</u> and en inspected the components described in this Owner's re-	aployed by HSB CT of Hartford, Connecticut, have
to $\frac{5-18-07}{}$, and state that to the best	
examinations and taken corrective measures describe requirements of the ASME Code, Section XI.	ed in this Owner's Report in accordance with the
	,
By signing this certificate, neither the Inspector nor his concerning the examinations and corrective measures of the Inspector nor his employer shall be liable in any maloss of any kind arising from or connected with this ins	described in this Owner's report. Furthermore, neither anner for any personal injury or property damage or a
24 france	Commissions: NB 9685 "N" "1" AZ264
Inspectors Signature	National Board, State, Province, and Endorsements
Date: 5-18-07	

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

ASME SECTION XI – REPAIR / REPLACEMENT								
neg reger 1887 was a was a was a was a way of the control of the c	alle alle herre i consert i la successione new dissemblementatione described in the former of	and a second of the control of the letters of the letters the control of the cont	Pa	ageof				
1. Component ID <u>1PCHEV</u>	335							
2 Item Description: 2" - 1500 lb Borg Warner Gate Valve model 77580								
3. N-5 Data Package Number: <u>1CH04-1</u> 4. W.O. Number: <u>3017458</u>								
5. Original Construction Code Edition: 1974 Edition, Winter 1975 Addenda								
6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda								
7. Work Description: <u>Disassemble valve (seal weld) and rework to correct seat leakage.</u>								
8. ISI Flaw NDE Method of Flaw Detection: N/A								
Report Number: N/A								
9. Evaluation of the suitability of this work as per the requirements of IWA - 4150:								
Not a failure of the ASME III pressure boundary. The seal weld is required to be replaced for valve disassembly and code								
parts such as bonnet or gate will be replaced as needed due to normal wear based upon inspection.								
		•						
10. Repair/Replacement Work Organization: <u>Arizona Public Service</u>								
11. Replacement Items Construction or reconciled Code/Edition: Sec. III Cl.2, 1974 Edition 1975 Winter Addenda								
12. Repair/Replacement Activity Construction Code/Edition: Sec. III Cl 2, 1974 Edition 1975 Winter Addenda								
13. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda								
14. Preservice Inspection Required: YES NO								
InitialDate	If required,	include a step in the W.	O. to perform Preservice	Inspection				
15. ASME Section XI Pressure Test Required: XYES NO								
Date Date 16 Include a step in the W.O. to write NIC 2 From her house								
Initial Dang Date 6-18-07 If required, include a step in the W.O. for ISI & ANII Inspection. 16. Include a step in the W.O. to verify NIS-2 Form has been completed by ISI & ANII prior to approving INP525 Status.								
Initial Many Date &	. D og 17 Include	a step in the W.O. to re	cord below all applicable	e numbers for				
Initial Date 6	replace	ment items.	cord below an applicable	e namoers for				
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.				
Bonnet seal weld	N/A	N/A	N/A	N/A				
Gate	APN 45050154	1884	5394	MR 1237738				
Bornet N/2	APN 45060200 1/2			MR 1237738 MA				
- 3								
		<u> </u>						
	<u> </u>							
18. Planner David Dord Frinted Name: DAVIO M. GOODLET								
Signature	D. D.	ate Finited Name						
		$\alpha = 0$	0, 2,	$\mathcal{L}_{\mathcal{L}}$				
19. ISI 6-19-07 Printed Name: RCBROCONING* Entry Date								
ANII LA totare 6-18-07 Printed Name: R.G. HOCESTROM								
Signature\ \	D:	ate						

As Required by the Provisions of the ASME Code Section XI

Owner: <u>Arizo</u> ı	na Public Service (Company, et. al.	•	T)ate: <u>6/2</u>	26/2007	5. **	
<u>P. O. F</u>	Box 53999, Phoeni	x Arizona 85072-20	<u>)34</u>	S	heet:	<u>1</u> of <u>2</u>		
2. Plant: Palo Verde Nuclear Generating Station Unit: 1								
<u>5801 S</u>	South Wintersburg	Road., Tonopah, A	rizona 8535	<u>34-7529</u> V	Vork Ord	er Numbe	r <u>3017458</u>	
3. Work Performe	d by: <u>Arizona Public</u>	Service		Т	ype of C	ode Stamp	None None	
		·		A	uthoriza	tion No.	<u>N/A</u>	
			, ,	E	xpiration	Date N/	<u>'A</u>	
4. Identification o	f System: <u>CH: Che</u>	mical and Volume Co	ontrol Systen	<u>1</u>	÷			•
5. (a) Applicable	Construction Code A	ASME Section III NC	Class 2	974 Edition,	Winter 1	975 Adde	nda, Cod	e Case
(b) Applicable	Edition of Section >	I Utilized for Repair	s or Replace	ments: 1992	2 Edition	, 1992 Add	denda	
6. Identification o	f Components Repai	red or Replaced and I	Replacement	Components			• .	
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Othe Identific		Year Built	Repaired or Replacement	ASME Code Stamped
					>			(Yes or No)
Valve	Borg Warner	26957	N/A	1PCHEV33	5	1978	Repaired	YES
Seal Weld	N/A	N/A	N/A	1PCHEV33	5	2007	Replacement	NO
Gate	Borg warner	1884	N/A	1PCHEV33	5	2007	Replacement	NO
		·						
					,			
	-74							
								
7. Description of V	Work: <u>Disassembl</u>	e and rework to cor	rect seat lea	ıkage.			•	
8. Test Conducted	: Hydrostatic	Pneumatic [Nom	inal Operating			Exempt 🔀	
N-4	416-2 🔲 Other	Pressure ps	i			6(26/07 nperature	°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)
9.	Remarks: WO# 3017458 foe valve 1PCHEV335. The bonnet seal weld will be replaced to allow for valve disasembly. Code parts such as gate was replaced due to wear.
Pr	re-Pressured Test WO Review – ISI NA ANII NA
	Certificate of Compliance
	We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.
	Type Code Symbol Stamp N/A
	Certificate of Authorization No N/A Expiration Date: N/A
	Signed: Produp, ISI Engineer Date: 6-26-2007 Gwner or Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
	I, the undersigned, holding a valid commission issued by the National Board of boiler and Pressure Vessel Inspectors and the State or Province of Arizona and employed by HSB CT of Hartford, Connecticut, have inspected the components described in this Owner's report during the period of
	By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
	Commissions: NB 9685 "N" "I" AZ264 National Board, State, Province, and Endorsements

Date:

Inspectors Signature

	ASME SECTION 2	XI – REPAIR / REP	LACEMENT	•
			Pa	age of
1. Component ID 1PCHEV	<u>334</u>			
2. Item Description: 2" - 16	665 lb Borg Warner "Y" type	check valve model 8163	<u> 80 & 1</u>	
3. N-5 Data Package Numbe		4. W.O. Number:	<u>3017459</u>	•
5. Original Construction Co				
6. Original Installation Code	• • • • •			
7. Work Description: <u>Disa</u>	issemble check valve (seal w			
8. 🗌 ISI Flaw	•	NDE Method of Flaw D Report Number: N/A	Detection: N/A	
9. Evaluation of the suitabili	ty of this work as per the rec	•).	
2.4	•	-		incomplete and and
	E III pressure boundary. The			isassembly and code
parts such as bonnet or d	isc will be replaced as neede	ed due to normal wear bas	sed upon inspection.	•
•		,		
10.0	10			• • • • • • • • • • • • • • • • • • •
10. Repair/Replacement Wo		,	074 T 12 - 1075 W	A 111-
11. Replacement Items Cons12. Repair/Replacement Act		•		
13. ASME Section XI Code/			Laidon 1975 Willer A	Macraa
14. Preservice Inspection Re		☐ YES ⊠ NO	•	
		_		•
Initial N/A Date	If required,	include a step in the W.C). to perform Preservice	Inspection
15. ASME Section XI Pressu	re Test Required:	× YES 6/26/ ∑ NO)	
initial My Date 4	,-18-07 If required,	include a step in the W.C	o. for ISI & ANII Inspec	ction.
Initial Dung Date 4	16. Include	e a step in the W.O. to ver	ify NIS-2 Form has bee	en completed by
Initial Way Date 4	ISI & A	ANII prior to approving IN		. ,
Initial Mass Date 16	17. Include	a step in the W.O. to rec	ord below all applicable	e numbers for
Initial Date &	replace	ment items.		
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
Bonnet seal weld	N/A	N/A	N/A	N/A
Disc	APN 45020217	8051		MR 1237901
Bonnet N/A	APN 45060008 N/A		·	MR 1237901 W/A
2000				
18. Planner Dans	Doubt 6-18-	-D7 Printed Name	DAVID M.	GOODLET My Log Entry 1248
Signature) . Da	ate Finited Name.		
12/1/12	1-10	-07	11 1220000	mi DID
19. ISI Signature	<i>G 1 1</i>	Printed Name:	1 L L I) KUCERU	Log Entry 12 49
O. ANII 24 Lation	1		0 / 1	
0. ANII Signature	<u>د -۱۹۰</u>	o7 Printed Name:	K.C. Tocasia	J+1
2. Printail	Di			

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

. Owner: Arizoi	na Public Service (Company, et. al.		•	Date: <u>6/2</u>	26/2007	٠	, ,
P. O. Box 53999, Phoenix Arizona 85072-2034					Sheet:	<u>1</u> of <u>2</u>		
2. Plant: Palo Verde Nuclear Generating Station					Unit: <u>1</u>		₩	•
<u>5801 S</u>	South Wintersburg	Road., Tonopah, A	rizona 8535	54-7529	Work Ord	ler Numbe	r <u>3017459</u>	
3. Work Performe	ed by: Arizona Public	<u>Service</u>			Type of C	ode Stamp	None	
					Authoriza	tion No.	<u>N/A</u>	
			,		Expiration	Date N/	<u>'A</u>	
4. Identification o	f System: <u>CH: Che</u>	mical and Volume Co	ontrol System	<u>1</u>			*	
5. (a) Applicable	Construction Code 4	ASME Section III NC	, Class 2 1	<u>974</u> Editio	n, <u>Winter 1</u>	<u>975</u> Adde	nda, Cod	e Case
(b) Applicable	Edition of Section 2	I Utilized for Repairs	s or Replace	ments: 19	92 Edition	, 1992 Add	denda	
6. Identification of	f Components Repai	red or Replaced and F	Replacement	Componer	nts			
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.		her ication	Year Built	Repaired or Replacement	ASME Code Stamped
<u>)</u>			140.					(Yes or No)
Valve	Borg Warner	31766	N/A	1PCHEV:	334	1978	Repaired	YES
			27/4	1PCHEV:	334	2007	Replacement	NO
Seal Weld	N/A	N/A	N/A	II CILL V				
Seal Weld	N/A Borg Warner	N/A 8051	N/A N/A	1PCHEV		2007	Replacement	NO
	`							NO
	`							NO
	`							NO
	Borg Warner							NO
Disc	Borg Warner		N/A	1PCHEV				NO
Disc	Borg Warner Work: Disassemble	e and rework to cor	N/A	IPCHEV:	334	2007	Replacement	NO
7. Description of V 8. Test Conducted	Borg Warner Work: Disassemble: Hydrostatic	e and rework to cort	N/A rect seat lea	IPCHEV:	ng Pressure	2007	Replacement Exempt ////	NO
7. Description of V 8. Test Conducted	Borg Warner Work: Disassemble: Hydrostatic	e and rework to cor	N/A rect seat lea	IPCHEV:	ng Pressure	2007	Replacement Exempt ////	NO

	FORM NIS-2 (Back)
9.	Remarks: WO# 3017459 foe valve 1PCHEV334. The bonnet seal weld will be replaced to allow for valve disasembly. Code parts such as disc was replaced due to wear.
Pr	e-Pressured Test WO Review – ISI N/A ANII N/A
	Certificate of Compliance
	We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.
	Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Expiration Date: N/A Signed: Product, ISI Engineer Date: 6/26/07 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" "I" AZ264 National Board, State, Province, and Endorsements

Unspectors Signature

	ASME SECTION	N XI – REPAIR / REP		0.50 of				
8. ☑ ISI Flaw 9. Evaluation of the suitabili	Generator #2 Main Steam : 1SG02-1 de Edition: 1974 Edition Edition: 1974 Edition, ace the damaged load country of this work as per the esthe evaluation and suita	4. W.O. Number: a, Winter 1975 Addenda Winter 1975 Addenda upling and anti-friction colla NDE Method of Flaw I Report Number: requirements of IWA - 4150 ability of this replacement. a Public Service de/Edition: Sec. III NF CI	ger 3021090 ar Detection: - - - - - - - - -	· · · · · · · · · · · · · · · · · · ·				
12. Repair/Replacement Action13. ASME Section XI Code/	- '	dition: <u>Sec. III NF Cl 2, 1</u> and 1992 Addenda	1974 Edition Winter 19	75 Addenda				
14. Preservice Inspection Re	quired:	⊠ YES □ NO)	<i>*</i>				
Initial Dung Date 6	5-4-07 If require	ed, include a step in the W.C	D. to perform Preservic	e Inspection				
15. ASME Section XI Pressu	re Test Required:	☐ YES ⊠ N	0					
Initial Pul Date 6	-4-D7 If require	ed, include a step in the W.O	O. for ISI & ANII Inspe	ection.				
Initial Rughy Date 6	5-4-DJ 16. Inch ISI 8	ide a step in the W.O. to ver & ANII prior to approving I	-	en completed by				
Initial Dung Date 6	17. Inclured	ide a step in the W.O. to reconcement items.	cord below all applicab	le numbers for				
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.				
Load Coupling	APN 00096412	2006-182	N/A	MR 1231398				
Anti-Friction Collar	APN 00095950	N'A	PL-526	MR 1231398				
-48				Ter,				
				·				
18. Planner Dacky Signature		Date	DAUD M.	GODDLET				
19. ISI Signature	p 6/4	Date Printed Name	R.P. INDAT	Log Entry RP				
20. ANII 25 fythom 6-4-07 Printed Name: R.C. HOCKSTROM								
Signature		Date						

As Required by the Provisions of the ASME Code Section XI

ALM A CONTRACTOR SOCIETY OF THE SECTION OF THE SECT	Grandan pressure i describe es el 1961 e la 1994 e 19	Secretary and the second second second second	бага (бияз) — (възделениеми)	And the second section with the second	LENGTH WAS TO A SECURE	area area area	and a second second second second second	der dem state de en en en en en en en en en en en en en			
1. Owner: Arizo	ona Public Service (Company, et. al.			Date: 6-3	-2007					
<u>P. O.</u>	P. O. Box 53999, Phoenix Arizona 85072-2034 Sheet: <u>1</u> of <u>2</u>										
2. Plant: Palo V	Verde Nuclear Gen	erating Station			Unit: <u>1</u>						
<u>5801 3</u>	5801 South Wintersburg Road., Tonopah, Arizona 85354-7529 Work Order Number 3021090										
3. Work Perform	3. Work Performed by: Arizona Public Service Type of Code Stamp None										
			,		Authorizat	tion No.	N/A				
					Expiration	Date <u>N/</u>	<u>A</u>				
4. Identification of	of System: SG: Main	n Steam System			•		.*				
5. (a) Applicable	: Construction Code ¿	ASME Section III NF.	, Class 2	<u>1974</u> Edition	ı, <u>Winter 1</u>	975 Addei	nda, / Code	e Case			
(b) Applicable	e Edition of Section Σ	XI Utilized for Repairs	s or Replace:	ments: 199	92 Edition,	, 1992 Adc	lenda				
6. Identification of	of Components Repai	ired or Replaced and F	Replacement	. Component	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 No)			
Hanger	ITT Grinnell	G2503	N/A	1SG042H0	311	1983	Repaired	YES			
Load Coupling	Anvil	2006-182	N/A	1SG042H0	011	2006	Replacement	YES			
Anti-Friction Collar	Anvil	N/A	N/A	1SG042H0)	2006	Replacement	NO			
							. "."				
							,				
						·					
7. Description of	Work: Replace the	load coupling and a	anti-frictior	ı collar.							
8. Test Conducted	d: Hydrostatic	Pneumatic [] Nomi	inal Operatin	ng Pressure	: 🔲	Exempt 🛛				
N-6	416-2 Other	r Pressure psi	i		Test Tem	iperature	°F				
NOTE: Suppl	N-416-2 Other Pressure psi Test Temperature °F NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 ½ X 11										

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# 3021090 for hanger 1SG042H011. The load coupling was found broken. CRDR# 2887685 is evaluating the condition and provides for the replacement of the load coupling and anti-friction collar.
P	re-Pressured Test WO Review – ISI
	ANII
	Certificate of Compliance
	We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.
	Type Code Symbol Stamp N/A
	Certificate of Authorization No. N/A Expiration Date: N/A
	Signed: Signed: 6-22-07 Owder or Owner's Designee, Title
)	
	CERTIFICATE OF INSERVICE INSPECTION
	I, the undersigned, holding a valid commission issued by the National Board of boiler and Pressure Vessel Inspectors and the State or Province of <u>Arizona</u> and employed by <u>HSB CT</u> of <u>Hartford, Connecticut</u> , have inspected the components described in this Owner's report during the period of <u>6-4-57</u> to <u>6-22-57</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
	By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
	Commissions: NB 9685 "N" "I" AZ264 Inspectors Signature Commissions: NB 9685 "N" "I" AZ264 National Board, State, Province, and Endorsements
	Date: 6-22-07

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. 1	Manufact	ured by	Anvil International, Inc 160 Frenchtown Rd. No.Kingstown, RI 02852 (name and address of NPT Certificate Holder)							
2. 1	Manufacti	ured for	Arizona Public Service Co. Palo Verde 5801 South Wintersburg Road Tonopah, AZ 85354 (name and address of Purchaser)							
3. l	Location of	of installation	Arizona Public Service 0	Co. Palo Verde 5801 Soutl	Wintersburg Road Tonopa	h, AZ 85354				
4.	Туре:	C.S.S. (describe)		DRS 80 Rev.0 (Design Report or Load Capacity		2006 (year built)				
5.	ASME Co	ode, Section III, Divi	sion 1: 6 1974 (edition)	Winter 1975 (addenda date)	2 (ciass)	N/A (Code Case no				
6. I	Identificat	ion	•							
		(a) Component Support I.D. No	(b) Material Specification No.	, (c.) Canadian Registration No.	(d) Applicable Drawings With Last Rev. & Date	(e) National Board No.				
≯ ¹	(1)	2006- 182	Note 1	. N/A	BH1586/A 2/3/05	N/A				
	(2)	2006- 183	Note 1	N/A	BH1586/A 2/3/05	/ N/A				
	(3)	2006- 184	Note 1	N/A	BH1586/A 2/3/05	N/A				
	(4)	2006- 185	Note 1	N/A	BH1586/A 2/3/05	N/A				
	(5)									
	(6)					·				
	(7)		-							
1	(8)									
,	(9)			· · · · · · · · · · · · · · · · · · ·						
	(10)									
7. F	Remarks:									
			Note 1	: SA36, SA106 GR.B,						
			Note 2: Material Supplied to A	ASME Section II, 1992 Ed	lition, 1993 Addenda					
		PO#: 500305883								
		SO#: 41-76968								

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

^{*}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

	Compon	ent Support I.D. Nos.	2006-182	through	2006-185
	CERTI	FICATE OF DESIGN		····	
			1		
Design Specification certified by	H. R. Sonderegger	P.E. State	R.I.	Reg. no	3537
Design Report certified by	Ronald T. Wisniewski	P.E. State	R.I.	Reg. no	4108
	CERTIFIC	ATE OF COMPLIANC	E	· · · · · · · · · · · · · · · · · · ·	
	,				
We certify that the statements r	nade in this report are corre	ect and that these c	omponent sur	ports conform	to the rules for
construction of the ASME Code,				•	(
NPT Certificate of Authorization No	N-280)2	Expires	9/29	9/2007
Date <u>//-/7-06</u> N	(NPT Certificate Holder)		'. 	•	1897
	CERTIFIC	CATE OF INSPECTIO	N ·		
I the statement hat the	C. J	- Marianal Based of	Dallan and D	VI	languages and
I, the undersigned, holding a value the State or Province of	•				B. C.T.
of / / Hartfor	Rhode Island	have inspected the o	iployed by		
on ////7/263		that to the best of my		•	·
constructed these component supp				beller, the Cert	incate Holder Has
constructed these component supp	ons in accordance with the Ac	ine code, Section III,	DIVISION 1.		
By signing this certificate, neither	r the inenector nor his emn	lover makes any wa	rranty eynres	sed or implied	concerning the
component supports described in	·	•	•	•	· -
manner for any personal injury of				· -	•
individual injury to		a ar arry mira arising	9		
Date ///17/06 Sign	ed Cut Housen	Commissions /	I862	ABNI	
	(Authorized Inspection)	(Na	t'l. Bd. (incl. end	orsements) and sta	ate or prov. and no.)

			Page	1of1	internation
1. Component ID <u>IMEWBE</u>	<u> 201</u>	2. ASME Section	III Class 3		
3. Item Description: <u>ESSEN</u>	TIAL COOLING WATER				
4. N-5 Data Package Number		5. W.O. Number:	<u>3022004</u>		
6. Original Construction Cod					
7. Original Installation Code					
8. Work Description: <u>Perfo</u> 9. ☐ ISI Flaw	orm Base Material Weld Re	pairs on the Channel Head NDE Method of Flaw Do		1 Cooling	-
7. 🗀 151 riuw		Report Number:	acction.	•	
10. Evaluation of the suitabil	ity of this work as per the re	•):		
*	urs on the Channel Head Co			noineerino	
	,		ite, as identified by ,E.	ingincomig.	
Repaired Areas to be Co	vered/Protected with Coatin	īā			
, -			ë è	· -	
11. Repair/Replacement Wor	k Organization: Arizona I	Public Service			
12. Replacement Items Cons			974 Edition 1975 Winte	er Addenda	
13. Repair/Replacement Acti	vity Construction Code/Edi	tion: Sec. III Cl 3, 1974	Edition 1975 Winter A	<u>ddenda</u>	
14. ASME Section XI Code/	Edition: 1992 Edition and	d 1992 Addenda			
15. Preservice Inspection Rea	quired:	☐ YES ☐ NO		1	
Initial NATE Date	2-67 If required,	include a step in the W.O	. to perform Preservice	Inspection :	•
16. ASME Section XI Pressu		XES NO	_		
	. If maninad	include a step in the W.O		ction.	
Initial Date 6	291		•		
Initial Man Date 5	Component	e a step in the W.O. to con	ipiete N15-2 Form prio	or to releasing the	
	•		ard halow all annliaghly	a numbara far ranain	ad or
Initial Date 6	replacemen	e a step in the W.O. to reco	ord below an applicable	e numbers for repair	cu oi
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO	No.
1MEWBE01 '	N/A	N/A	N/A	N/A	
				- 	
	`			-	·····
			1		· · · · · · · ·
					·
me ne					
19. Planner ZAMES T Signature	DADIS 62-0	Printed Name:	James I Davis		
4 21-	A 100 mg 1/0	/			
20. ISI Juffort	6/2/	O/ Printed Name:	FRED POT	'ALI	
	_				
21. ANII ZJ fran			RG HOUSTRO	· H	
Signature PV-E0093 Ver. 7	D.	ate	and the second of the second o	entere de l'estre de constitue de la constitue de la constitue de la constitue de la constitue de la constitue	P-9ZZ17

ASME SECTION XI – REPAIR / REPLACEMENT

As Required by the Provisions of the ASME Code Section XI

	1								
1. Owner: Arizon	na Public Service (: 06/02/200		VALUE ALL SERVICES CONTROL SERVICES		
P. O. Box 53999. Phoenix Arizona 85072-2034 Sheet: 1 of 2									
2. Plant: Palo Verde Nuclear Generating Station Unit: 1							-		
5801 South Wintersburg Road., Tonopah. Arizona 85354-7529 Work Order Number 3022004									
3. Work Performed by: Arizona Public Service Type of Code Stamp None									
				Auth	orization No	o. <u>N/A</u>			
4	•			Expi	ration Date	<u>N/A</u>			
4. Identification o	f System: Essential	Cooling Water (EV	<u>W)</u>		•	·			
5. (a) Applicable	Construction Code A	ASME Section III N	ID, Class 3	1974 Edition, Wi	nter 1975 A	ddenda, <u>N/A</u> Cod	e Case		
(b) Applicable	Edition of Section 2	Π Utilized for Repa	airs or Replace	ments: <u>1992 Ec</u>	lition, 1992	Addenda			
6. Identification of	f Components Repai	red or Replaced and	d Replacement	Components			<i>/</i>		
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired or Replacement	ASME Code Stamped		
ŧ .							(Yes or NO)		
EW Heat Exchanger	Struther Wells Corporation	17606329132	14441	1MEWBE01	1978	Repaired	YES		
						-			
i						·			
			,			·	·		
			·						
7. Description of V	Work: Base Mater	ial Weld repair of	Channel Hea	ads & Channel	head Cover	s of EW Heat E	xchanger		
8. Test Conducted	: Hydrostatic [Pneumatic	Nominal O	perating Pressure	Ex	empt N-4	416-1		
Ŏtŀ	ner Press	ure psi		Te	st Temperatu	ire °F			
inches, (2) info	NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 ½ X 11 inches, (2) information in items 1 thru 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the to of this form.								

Remarks: Work Order 3022004 performed Base Material repair on Base Material Weld repair of Channel Heads & Channel head Covers of EW Heat Exchanger, as Identified by Engineering.

Certificate of Compliance

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

Type Code Symbol Stamp N/A

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

Signed: Will (TOTAL) 15, ENGINEER Date: 6-8-7

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of boiler and Pressure Vesse
Inspectors and the State or Province of Arizona and employed by HSB CT of Hartford, Connecticut, have
inspected the components described in this Owner's report during the period of \(\sigma - \frac{2 - \cdot 7}{2} \)
to, and state that to the best of my knowledge and belief, the Owner has performed
examinations and taken corrective measures described in this Owner's Report in accordance with the
requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Commissions: NB 9685 "N" "I" AZ264

Inspectors Signature

National Board, State, Province, and Endorsements

Date: 6-8-07

	ASME SECTION	XI – REPAIR / REP	LACEMENT Pa	geof
1. Component ID 1SG045H	011			
2 Item Description: Steam		Line Constant Spring Hang	<u>ter</u>	
3. N-5 Data Package Number	: <u>1SG02-1</u>	4. W.O. Number:	3022219	No.
5. Original Construction Cod	le Edition: 1974 Edition,	Winter 1975 Addenda		٠.
6. Original Installation Code	Edition: 1974 Edition, W	Vinter 1975 Addenda		
7. Work Description: Repl	ace the damaged load coup	· -		
8. 🗌 ISI Flaw		NDE Method of Flaw D	etection:	
0.75		Report Number:		
9. Evaluation of the suitabilit	•	•		
<u>CRDR# 2887685 provide</u>	es the evaluation and suitab	ility of this replacement.		
,				
	•	· .	. Tight	
i,a				-
10. Repair/Replacement Wor	- ·			
11. Replacement Items Cons				
12. Repair/Replacement Acti	•		974 Edition Winter 197	5 Addenda
13. ASME Section XI Code/	Edition: 1992 Edition at	nd 1992 Addenda		
14. Preservice Inspection Red	quired:	⊠ YES □ NO		
Initial Drug Date 6	3-07 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		etion.
Initial Dung Date 6	-3-07 16. Includ	e a step in the W.O. to ver ANII prior to approving IN		n completed by
Initial My Date 6	-3-07 17. Includ	e a step in the W.O. to rece ement items.	ord below all applicable	numbers for
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
Load Coupling	APN 00096412	2006-185	N/A	MR 1231779
Anti-Friction Collar	APN 00095950	N/A	PL-526	MR 1231779
				
18. Planner Sandy	Jardet 6-3-		DAVID M.	GOODLET
Signature 19. ISI Phola	10 C/41	Date Drinted Names	R.P. IND	ARRPD
Signature	J	Date Printed Name:	., , ,	TI LOS CHUY V V
20. ANII 25 fotom	6-4	-07 Printed Name:	RG HOGSTR	эң
Signatura	. Γ	Date		

The state of the s

As Required by the Provisions of the ASME Code Section XI

1. Owner: Arizon	na Public Service (Company, et. al.		1	Date: <u>6-3</u>	3-2007		
<u>P. O. I</u>	30x 53999, Phoeni	ix Arizona 85072-20	<u>)34</u>		Sheet:	<u>1</u> of <u>2</u>	• • •	
2. Plant: Palo V	Verde Nuclear Gene	erating Station			Unit: <u>1</u>		•	
<u>5801 S</u>	South Wintersburg	Road., Tonopah, A	rizona 8535	<u>54-7529</u>	Work Ord	er Number	r <u>3022219</u>	
3. Work Performe	ed by: <u>Arizona Public</u>	c Service			Type of Co	ode Stamp	None None	
					Authorizat	tion No.	N/A	
					Expiration	Date <u>N/</u>	A :	:
4. Identification of	f System: SG: Mair	n Steam System						
5. (a) Applicable	Construction Code 2	ASME Section III NF.	, Class 2	<u>1974</u> Editio	on, Winter 1	975 Adde	nda, Code	e Case
(b) Applicable	Edition of Section 2	XI Utilized for Repairs	s or Replace	ments: 19	992 Edition,	, 1992 Add	ienda	
6. Identification of	f Components Repai	ired or Replaced and I	Replacement	: Componer	nts		/	/
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	B .	ther fication	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)
Hanger	ITT Grinnell	G2504	N/A	1SG045H	IO11	1982	Repaired	YES
Load Coupling	Anvil	2006-185	N/A	1SG045H	1 011	2006	Replacement	YES
Anti-Friction Collar	Anvil	N/A	N/A	1SG045H	IO11	2006	Replacement	NO
٠.								î .
			,					
	·							
7. Description of V	Vork: Replace the	load coupling and	anti-frictior	ı collar.				
8. Test Conducted:	: Hydrostatic	Pneumatic	Nomi	inal Operati	ing Pressure	e 🔲 1	Exempt 🛛	
N-4	116-2 Other	Pressure psi			Test Tem	perature	°F	
		orm of lists, sketche thru 6 on this repor						

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

FORM NIS-2 (Back)
9. Remarks: WO# 3022219 for hanger 1SG045H011. The load coupling was found broken. CRDR# 2887685 is evaluating the condition and provides for the replacement of the load coupling and anti-friction collar.
Pre-Pressured Test WO Review – ISI N/A ANII NA
Cartificate of Compliance
Certificate of Compliance
We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol StampN/A
Certificate of Authorization No. N/A Expiration Date: N/A
Signed: RPholop, ISI Engineer Date: 6-22-2007
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of boiler and Pressure Vessel Inspectors and the State or Province of <u>Arizona</u> and employed by <u>HSB CT</u> of <u>Hartford, Connecticut</u> , have inspected the components described in this Owner's report during the period of <u>6-4-07</u> to <u>6-4-07</u> , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Commissions: NB 9685 "N" "I" AZ264 National Board, State, Province, and Endorsements
Date:

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 Manufactured by		nal, Inc 160 Frenchtown Rd		
Manufactured for Ariz	·	o. Palo Verde 5801 South Wi		Z 85354
		(name and address of Purchaser)	,	· .
3. Location of installation	Arizona Public Service	Co. Palo Verde 5801 South	Wintersburg Road Tonopal	ı, AZ 85354
•		(name and address)		
4. Type: C.S.S.		DRS 80 Rev.0		2006
(describe)		(Design Report or Load Capacity I	Jaia Sneet)	(year built)
5. ASME Code, Section III, Division 1:		Winter 1975	2.	N/A
	(edition)	(addenda date)	(class)	(Code Case no.)
6. Identification				
(a) Component	(b) Material	(c.) Canadian	(d) Applicable	(e) National
Support	Specification	Registration	Drawings With	Board
I.D. No.	No.	No.	Last Rev. & Date	No.
ź			<u> </u>	
(1)2006- 182	Note 1	N/A	BH1586/A 2/3/05	N/A
(2) _ · _ 2006- 183	Note 1	N/A	BH1586/A 2/3/05	N/A
	•			
(3) 2006- 184	Note 1	N/A	BH1586/A 2/3/05	N/A
(4) 2006- 185	Note 1	N/A	BH1586/A 2/3/05	N/A
(5)				
		,		
(6)		·		
(7)				,
(8)				
(8)		· · · · · · · · · · · · · · · · · · ·		
(9)				
(10) /				
7. Remarks:				
	Note	1: SA36, SA106 GR.B,		
		ADDE O M. H. ADDE T.	41 4000 A / 1 - /	
Note 2:	material Supplied to	ASME Section II, 1992 Edi	tion, 1993 Addenda	
PO#: 500305883				
SO#: 41-76968				
	· · · · · · · · · · · · · · · · · · ·			

(12/88)

This form (E00075) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2309. Fairfield, NJ 07007-2300.

^{*}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)

	Compon	ent Support I.D. Nos.	2006-182	through	2006-185
	CERT	IFICATE OF DESIGN			
			į	•	
Design Specification certified by	H. R. Sonderegger	P.E. State	R.I.	Reg. no	3537
Design Report certified by	Ronald T. Wisniewski	P.E. State	R.I.	Reg. no	4108
	·				
	CERTIFIC	CATE OF COMPLIANC	E		***
We certify that the statements in	mada in this report are part	est and that these s	omponent cur	anada canfarm	to the rules for
construction of the ASME Code,	•	ect and that these c	omponent suf	ports comorni	to the fules for
NPT Certificate of Authorization No	'	12	Expires	9/20	3/2007
' Continuate of Authorization (Vo					
Date <u>//~/7~06</u> N	Anvil International, Inc. (NPT Certificate Holder)		76/		
<u>.</u>	CERTIFIC	CATE OF INSPECTIO	N		
			·		
the undersigned, holding a val					·
the State or Province of	Rhode Island		ployed by		B. C.T.
f Hartfor	d, C.T.	have inspected the c	omponent sur	ports described	in this Data Report
n /////86	, and state	that to the best of my l	knowledge and	J belief, the Cert	ificate Holder has
onstructed these component supp	orts in accordance with the AS	SME Code, Section III,	Division 1.		
y signing this certificate, neither	r the inspector nor his emp	lover makes any wai	ranty, expres	sed or implied	, concerning the
omponent supports described in		•	-	•	-
nanner for any personal injury of	*				•
personal injury o	, property damage of a los	is or any kina ansing		otes with this in	speciality
Date ///17/06 Sign	ed Can House	Commissions	I862	ABNI	
101.01	(Authorized Inspection)		t'l. Bd. (incl. end	orsements) and sta	ate or prov. and no.)

	ASME SECTION	N XI – REPAIR / REP	LACEMENT Pa	geof
1. Component ID 1SG033H	011			
2 Item Description: Steam		Line Constant Spring Han	ger	
3. N-5 Data Package Number		4. W.O. Number:		10,
5. Original Construction Cod	le Edition: 1974 Edition	n, Winter 1975 Addenda		14
6. Original Installation Code	Edition: 1974 Edition,	Winter 1975 Addenda		
7. Work Description: Repl	ace the load coupling and	anti-friction collar as part of	of CRDR 2887685 evalu	lation.
8. 🔲 ISI Flaw		NDE Method of Flaw D	Detection:	
	•	Report Number:		
9. Evaluation of the suitabili	ty of this work as per the	requirements of IWA - 4150):	14.0
Not a failure of the ASM	E III pressure boundary o	r supports. Replace	ement is a	preventive
		r supports. Replace measu	ne. RPI 61	14/67
			wi). 187	·
10. Repair/Replacement Wor	k Organization: Arizon	a Public Service		
11. Replacement Items Cons			2. 1974 Edition Winter	1975 Addenda
12. Repair/Replacement Acti				
13. ASME Section XI Code/		and 1992 Addenda		
14. Preservice Inspection Re	quired:	⊠ YES □ NO		
Initial Dans Date 6	-3-07 If require	ed, include a step in the W.C	D. to perform Preservice	Inspection
15. ASME Section XI Pressu	re Test Required:	☐ YES ⊠ NO	0	
Initial Dyg Date 6	•	ed, include a step in the W.C		ction.
	16 Inch	ide a step in the W.O. to ver		
Initial May Date 6	- \ - [] [ANII prior to approving II	-	in completed by
Initial		nde a step in the W.O. to reconcernent items.	ord below all applicable	e numbers for
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.
Load Coupling	APN 00096412	2006-183	N/A	MR 1231790
Anti-Friction Collar	APN 00095950	N/A	PL-526	MR 1231790
, rate Treation Contain	7411 00075750	IVA	1 L-520	WIK 1231770
				
		,		,
	y			
18. Planner Signature	Posellt 6.	3-0ク Printed Name:	DAVIO M.	GOODLET
19. ISI Proda	P 6/1		R. P. INDAI	Log Entry RR
Signature	J	Date	0/ :[•
20. ANII Signature	i (a	Date Printed Name:	: Rle Hacestron	

The second secon

As Required by the Provisions of the ASME Code Section XI

1. Owner: Arizon	na Public Service (Company, et. al.		ï	Date: <u>6-3</u>	-2007		
<u>P. O. Box 53999, Phoenix Arizona 85072-2034</u> Sheet: <u>1</u> of <u>2</u>								
2. Plant: Palo Verde Nuclear Generating Station					Unit: <u>1</u>	. •		
<u>5801 S</u>	South Wintersburg	Road., Tonopah, A	rizona 8535	4-7529	Work Ord	er Numbei	3022220	
3. Work Performe	d by: <u>Arizona Public</u>	Service			Type of Co	ode Stamp	None	
	Authorization No. N/A							
				· · · · · · · · · · · · · · · · · · ·	Expiration	Date <u>N/</u>	A.	
4. Identification o	f System: <u>SG: Mair</u>	Steam System		•			<i>विद्</i> रुग	
5. (a) Applicable	Construction Code A	ASME Section III NF	, Class 2 1	974 Edition	, Winter 1	975 Adde	nda, Code	e Case
(b) Applicable	Edition of Section X	I Utilized for Repair	s or Replace	ments: 199	2 Edition,	1992 Add	lenda	•
6. Identification of	f Components Repai	red or Replaced and I	Replacement	Component	s			/
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Oth Identifi		Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)
Hanger	ITT Grinnell	G2501	N/A	1SG033H(011	1983	Repaired	YES
Load Coupling	Anvil	2006-183	N/A	1SG033H0	011	2006	Replacement	YES
Anti-Friction Collar	Anvil	N/A	N/A	1SG033H0)11	2006	Replacement	NO
			-					
				·				
7. Description of V	Work: Replace the	load coupling and	anti-friction	collar.				
8. Test Conducted	: Hydrostatic	Pneumatic [Nomi	nal Operatii	ng Pressure		Exempt 🛛	
N-4	116-2 Other	Pressure psi	i		Test Tem	perature	°F	من ٠
		orm of lists, sketche			vood mee	wided (1)	origo io 9 14 V	11

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# 3022220 for hanger 1SG033H011. The load coupling and anti-friction collar are being replaced for CRDR# 2887685 evaluation.
Pre-Pressured Test WO Review – ISI
ANII
Certificate of Compliance
We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol StampN/A
Certificate of Authorization No. N/A Expiration Date: N/A
Signed: RPINdap, ISI Engineer Owner or Owner's Designee-Pitle Date: 6-22-07
I, the undersigned, holding a valid commission issued by the National Board of boiler and Pressure Vessel Inspectors and the State or Province of Arizona and employed by HSB CT of Hartford, Connecticut, have inspected the components described in this Owner's report during the period of
By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions: NB 9685 "N" "I" AZ264 National Board, State, Province, and Endorsements
Date: 4-22-07

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

1. Manufactu	red by		nal, Inc 160 Frenchtown Rome and address of NPT Certificate Hole		
2. Manufactu	ured for		Co. Palo Verde 5801 South W	intersburg Road Tonopah, A	Z 85354
3. Location of	of installation	Arizona Public Servic	e Co. Palo Verde 5801 South	Wintersburg Road Tonopah	, AZ 85354
4. Type:	C.S.S. (describe)		DRS 80 Rev.0 (Design Report or Load Capacity		2006 (year built)
5. ASME Co	ode, Section III, Divis	sion 1: 1974 (edition)	Winter 1975 (addenda date)	2 (class)	N/A (Code Case no.)
6. Identificati	ion			1	
	(a) Component Support I.D. No.	(b) Material Specification No.	(c.) Canadian Registration No.	(d) Applicable Drawings With Last Rev. & Date	(e) National Board No.
(1)	2006- 182	Note 1	N/A	BH1586/A 2/3/05	N/A
(2)	2006- 183	Note 1	. N/A	BH1586/A 2/3/05	N/A
(3)	2006- 184	Note 1	N/A	BH1586/A 2/3/05	N/A
(4)	2006- 185	Note 1	N/A	BH1586/A 2/3/05	N/A
(5)					
(7)					
(8)					
(10)	/			·	
7. Remarks:					A
		Not	e 1: SA36, SA106 GR.B,		
	N	lote 2: Material Supplied t	o ASME Section II, 1992 Ed	ition, 1993 Addenda	
	PO#: 500305883 SO#: 41-76968				
· · · · · · · · · · · · · · · · · · ·					

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

^{*}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 _____)

	Compon	ent Support I.D. Nos.	2006-182	through	2006-185
	CERT	FICATE OF DESIGN		· 	
			1		
Design Specification certified by	H. R. Sonderegger	P.E. State	R.i.	Reg. no	3537
Design Report certified by	Ronald T. Wisniewski	P.E. State	R.I.	Reg. по	4108
	CERTIFIC	ATE OF COMPLIANC	E		
We certify that the statements reports on the ASME Code.		ect and that these c	omponent sup	oports conform	to the rules for
NPT Certificate of Authorization No	•)2	Expires	9/29	9/2007
	(NPT Certificate Holder)				
	CERTIFIC	CATE OF INSPECTIO	N		
the undersigned, holding a va	lid commission issued by th	e National Board of	Boiler and P	ressure Vessel	Inspectors and
the State or Province of	Rhode Island	and em	ployed by	H.S.	B. C.T.
f Hartfor	d, C.T.	have inspected the o			•
n ///7/86	, and state	that to the best of my l	knowledge and	belief, the Cert	tificate Holder has
onstructed these component supp	orts in accordance with the AS	SME Code, Section III,	Division 1.		
• .	•			•	
ly signing this certificate, neithe	· · · · · · · · · · · · · · · · · · ·	-			
omponent supports described in					
nanner for any personal injury o	or property damage or a los	s of any kind arising	from or conne	ected with this in	espection.
	Dat 1		1042	a a	
Date	(Authorized Inspection)	Commissions	2000	TONA	ate or prov. and no.)

	ASME SECTION	XI – REPAIR / REI		geiof!					
1. Component ID <u>1SG036H</u>	011	. •							
2 Item Description: Steam			-						
3. N-5 Data Package Number		4. W.O. Number	: <u>3022221</u>						
 5. Original Construction Code Edition: 1974 Edition, Winter 1975 Addenda 6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda 									
-			. (CDDD 0007/05	. · ·					
7. Work Description: <u>Repl</u>8. ☐ ISI Flaw	ace the load coupling and	NDE Method of Flaw l		lation.					
6. [_] 151 Flaw		Report Number:	Detection.	•					
9. Evaluation of the suitability	ty of this work as per the i	•	0:						
Not a failure of the ASM	E III pressure boundary o	r supports. Popla (emport is a	meventive					
		, Copinc	ement is a reasure. Ro	todan					
•		****	7	(1) /2-					
10. Repair/Replacement Wor	k Organization: Arizon	a Public Service							
11. Replacement Items Cons	truction or reconciled Coo	le/Edition: Sec. III NF C	12, 1974 Edition Winter	1975 Addenda					
12. Repair/Replacement Acti	vity Construction Code/E	dition: Sec. III NF Cl 2,	1974 Edition Winter 197	75 Addenda					
13. ASME Section XI Code/	Edition: 1992 Edition	and 1992 Addenda							
14. Preservice Inspection Red	quired:	⊠ YES □ NO	o '						
Initial pm5 Date 4	-3-07 If require	ed, include a step in the W.	O to perform Preservice	Inspection					
15. ASME Section XI Pressu				mspection					
		☐ YES . ⊠ N							
Initial Dung Date 6	-3-07 If require	d, include a step in the W.	O. for 181 & ANII Inspec	ction.					
Initial Oung Date 6	- > - E - J	tide a step in the W.O. to ve a ANII prior to approving I	•	en completed by					
Initial <u>PMG</u> Date <u>6</u>		de a step in the W.O. to recement items.	cord below all applicable	e numbers for					
Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.					
Load Coupling	APN 00096412	2006-184	N/A	MR 1231792					
Anti-Friction Collar	APN 00095950	N/A	PL-526	MR 1231792					
en de la companya de la companya de la companya de la companya de la companya de la companya de la companya de									
		,							
:				,					
18. Planner Signature	Dended 6-3-1	Date Printed Name	E. DAVID M. C	DOODLET					
19. ISI Proda	P 6/4	Printed Name	R.P.INDA	PLog Entry RPZ					
Signature	J	Date							
20. ANII 25 1/2	(a-	4-07 Printed Name	: R.C. HOCKSTR	6 M					
Signature	· .	Date							

As Required by the Provisions of the ASME Code Section XI

			Association and the second second		تحديث المتاجب بيهاجين				
1. Owner: <u>Arizor</u>	na Public Service (Company, et. al.		?	Date: <u>6-3</u>	-2007	~-	÷	
<u>P. O. F</u>	30x 53999, Phoeni	ix Arizona 85072-20	<u>)34</u>		Sheet: 1	<u>1</u> of <u>2</u>			
2. Plant: Palo V	Verde Nuclear Gene	erating Station		· •	Unit: 1			<u>.</u>	
<u>5801 S</u>	South Wintersburg	Road., Tonopah, Ar	rizona 8535	<u>54-7529</u>	Work Orde	er Number	r <u>3022221</u>		
3. Work Performe	ed by: Arizona Public	c Service		,	Type of Co	ode Stamp	None		
ı	•			,	Authorizat	ion No.	N/A		
·	Expiration Date N/A								
4. Identification of	of System: SG: Mair	n Steam System					- 8		
5. (a) Applicable	Construction Code /	ASME Section III NF,	, Class 2	<u>1974</u> Edition	ı, Winter 1	<u>975</u> Addei	nda, Code	e Case	
(b) Applicable	Edition of Section >	XI Utilized for Repairs	s or Replace:	ments: 199	92 Edition,	1992 Add	lenda		
6. Identification of	f Components Repai	ired or Replaced and F	Replacement	Component	is			1 .	
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Oth Identific		Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)	
Hanger	ITT Grinnell	G2502	N/A	1SG036H0	011	1983	Repaired	YES	
Load Coupling	Anvil	2006-184	N/A	1SG036H0	011	2006	Replacement	YES	
Anti-Friction Collar	Anvil	N/A	N/A	1SG036H0)11	2006	Replacement	NO	
						·		V.	
7. Description of V	Work: Replace the	load coupling and a	anti-frictior	ı collar.					
8. Test Conducted:	: Hydrostatic	Pneumatic] Nomi	inal Operatin	ng Pressure	≥ 🔲 — I	Exempt 🛛		
N-4	416-2 Other	r Pressure psi			Test Tem	nperature	°F		
		form of lists, sketche I thru 6 on this repor							

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

FORM NIS-2 (Back)							
9.	Remarks: WO# 3022221 for hanger 1SG036H011. The load coupling and anti-friction collar are being replaced for CRDR# 2887685 evaluation.						
P	re-Pressured Test WO Review – ISI N/A						
	ANII N/A						
	Certificate of Compliance						
	We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.						
	Type Code Symbol Stamp N/A						
	Certificate of Authorization No. N/A Expiration Date: N/A						
	Signed: Product, ISI Engineer Date: 6-22-07 Owner's Designee, Title						
<u>े</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						
100	By signing this 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.						
Post and the first party and party a	Commissions: NB 9685 "N" "1" AZ264 National Board, State, Province, and Endorsements						
4.00	Date:6-22-07						

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

1. Manufactured by		al, Inc 160 Frenchtown R	d. No.Kingstown, RI 02852	· · · · · · · · · · · · · · · · · · ·
2. Manufactured for	Arizona Public Service Co	. Palo Verde 5801 South,V	^{der)} Vintersburg Road Tonopah, A	Z 85354
		(name and address of Purchaser)		
3. Location of installation	Arizona Public Service	Co. Palo Verde 5801 Sout	h Wintersburg Road Tonopah	, AZ 85354
•		•		
4. Type: C.S	S.S	DRS 80 Rev.((Design Report or Load Capacity		2006 (year built)
	•			
5. ASME Code, Section III	, Division 1: 1974 (edition)	Winter 1975 (addenda date)	(ciass)	N/A (Code Case no.)
	(Ballioti)	(addenda date)	(0.055)	(Code Case no.)
6. Identification	1.			•
(a) Component	(b) Material	· (c.) Canadian	(d) Applicable	(e) National
Support	Specification	Registration	Drawings With	Board
I.D. No.	No.	No.	Last Rev. & Date	No
•	·			
(1) 2006- 182	Note 1	N/A	BH1586/A 2/3/05	N/A
` ^			<u> </u>	
(2)2006- 183	Note 1	N/A	BH1586/A 2/3/05	N/A
-				
(3) 2006- 184	Note 1	N/A	BH1586/A 2/3/05	N/A
,			•	
(4) 2006- 185	Note 1	N/A	BH1586/A 2/3/05	N/A
(5)				
· · · · · · · · · · · · · · · · · · ·				· · · · · · · · · · · · · · · · · · ·
(6)		-		
(7)			·	
(8)			······································	
. (9)		•		
(3)				
(10)				
7. Remarks:		•		
7. Remarks.	••••••••••••••••••••••••••••••••••••••			
	Note	1: SA36, SA106 GR.B,		·
	11010		······································	
	Note 2: Material Supplied to	ASME Section II, 1992 Ed	dition, 1993 Addenda	
PO#: 50030	5883			
SO#: 41-769	968			
· .				

^{*}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 _____)

	Compone	ent Support I.D. Nos.	2006-182	through	2006-185
	CERTI	IFICATE OF DESIGN			
Design Specification certified by	H. R. Sonderegger	P.E. State	R.I.	Reg. no	3537
Design Report certified by	Ronald T. Wisniewski	P.E. State	R.I.	Reg. no	4108
	Commence of the Commence of th		***************************************	14114	
	CERTIFIC	CATE OF COMPLIANC	 CE		
construction of the ASME Code, NPT Certificate of Authorization No Date	•	c. Signed	Expires	9/29 PS	9/2007
		CATE OF INSPECTIO			
I, the undersigned, holding a val the State or Province of	ilid commission issued by the Rhode Island		Boiler and P	•	B. C.T.
1	rd, C.T.	have inspected the c		·	
on 11/17/86	, and state f	that to the best of my l			•
constructed these component supp	orts in accordance with the AS	SME Code, Section III,	Division 1.		
Books to the state and the same	0 2-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1				
By signing this certificate, neither component supports described in		•		•	
manner for any personal injury of	•			` •	•
mariner to any personal many s	n property damage of a loss	s or any mad anoma	1	iolou viin ima	ispection,
Date 11/17/26 Sign	7/00/	Commissions	I862	ABNI	····
• •	(Authorized Inspection)	(Na	t'l. Bd. (incl. ende	orsements) and sta	ate or prov. and no.)

1. Component ID <u>IPSIAV997</u>
1. Component in It SIA V 777
2 Item Description: Pressure log1 previation uneck valve for 1JSICUV0653
3. N-5 Data Package Number: PCWO 000717991 4. W.O. Number: 3022457
5. Original Construction Code Edition: 1974 Edition, Summer 1976 Addenda
6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda
7. Work Description: Valve replacement.
8. ISI Flaw NDE Method of Flaw Detection:
Report Number:
9. Evaluation of the suitability of this work as per the requirements of IWA - 4150:
This valve is being replaced due to the bonnet cannot be removed from the body, there is no failure of the ASME pressure
<u>boundary.</u>
10. Repair/Replacement Work Organization: <u>Arizona Public Service</u>
11. Replacement Items Construction or reconciled Code/Edition: Sec. III Cl 1, 1974 Edition, 1976 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 MAL Date 6-17-07 If required, include a step in the W.O. to perform Preservice Inspection
15. ASME Section XI Pressure Test Required: YES NO
Initial Date 6-17-07 If required, include a step in the W.O. for ISI & ANII Inspection.
16. Include a step in the W.O. to verify NIS-2 Form has been completed by
Initial Date Golden ISI & ANII prior to approving INP525 Status.
Initial Date 6-17-07 16. Include a step in the W.O. to verify NIS-2 Form has been completed by ISI & ANII prior to approving INP525 Status. 17. Include a step in the W.O. to record below all applicable numbers for replacement items.
Item ID Part No. Serial No. Heat No. MR/PO/WO No
valve / APN 45004448 E/22P-3-4 N/4 MR 1237234
18 Planer Mall Me G-(7-97 Prince No. 18 T C. 16
18. Planner Maly Ml G-17-07 Printed Name: Motan I. Sullivan Signature Date
oignature Date
19. ISI Water C/17/07 Printed Name: BILL LEHMAN Log Entry
19. ISI Water Date 19. ISI Water Printed Name: BILL LEHMAN Log Entry On Date Printed Name: BILL LEHMAN Log Entry
19. ISI Water C/17/07 Printed Name: BILL LEHMAN Log Entry

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As Required by the Provisions of the ASME Code Section XI

1.	Owner:	Arizona	Public Service Co	mpany, et. al.		1	Date:	06-27-200)7	
		P. O. Bo	x 53999, Phoenix	<u> Arizona 85072-20</u>)34		Sheet:	<u>1</u> of	2	**
2.	Plant:	Palo Ver	rde Nuclear Genera	ating Station			Unit:	1		-
		5801 So	uth Wintersburg Ro	oad., Tonopah, A	rizona 85354-	7529	Work (Order Nun	nber 3022457	
3.	. Work Performed by: <u>Arizona Public Service Co.</u> Type of Code Stamp <u>None</u>									
	5801 S. Wintersburg Rd., Tonopah, Arizona, 85354-7529 Authorization No. N/A									
	Expiration Date <u>N/A</u>									
4.	4. Identification of System: Safety Injection (SI)									
5.	(a) App	olicable Co	onstruction Code <u>AS</u>	ME Section III NB	<u>, Class 1</u> 1	974 Editio	n, Sumr	mer <u>1976</u> /	Addenda, <u>N/A</u> Co	de Case
	(b) App	plicable E	dition of Section XI	Utilized for Repairs	s or Replaceme	ents: <u>1992</u>	Edition	n, 1992 A	<u>ddenda</u>	
6.	Identific	cation of C	Components Repaired	d or Replaced and I	Replacement C	omponents				/
	Name Iter		Name of Manufacture	Manufacturer Serial No.	National Board No.	Othe Identific		Year Built	Repaired or Replacement	ASME Code Stamped (Yes or
										NO)
	Check V	Valve	Borg Warner	96SN0403	N/A	IPSIAV		1996	Replaced	Yes
	Check V	Valve	Borg Warner	E122P-3-4	N/A	1PSIAV	7997	1998	Replacement	Yes
		·								
					·					
:				<u></u>						
				·						
						,				
7.	Descript	ion of Wo	ork: Replaced check	valve, remove and	replace cover	to body sea	l weld.			·
8.	Test Cor	nducted: I	Hydrostatic	Pneumatic	Nominal Oper	ating Press	ure 🗌	Exem	pt 🛛 N-416	5-2 🔲
		Other	Pressu	ire psi				-	re °F	
						•				
i	nches,	(2) inform	nental sheets in formation in items 1 theets is recorded at t	nru 6 on this repor	t is included					

	FORM NIS-2 (Back)
9.	W.O. 3022457 replaced check valve 1PSIAV997.
Pr	re-Pressure Test work order review - ISI : ANII :
	Certificate of Compliance
	We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Expiration Date: N/A Signed: 151 ENL Date: 6/27/07
.0%	CERTIFICATE OF INSERVICE INSPECTION
	I, the undersigned, holding a valid commission issued by the National Board of boiler and Pressure Vessel Inspectors and the State or Province of Arizona and employed by HSB CT of Hartford, Connecticut, have inspected the components described in this Owner's report during the period of
	By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions: NB 9685 "N" "I" AZ264 National Board, State, Province, and Endorsements

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

FORM NPV-1 MANUFACTURERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES* (As Required by the Provisions of the ASME Code, Section III, Div. 1)

(a) Model No., (b) Manufacturers' (c) Canadian Series No. Serial Registration (d) Drawing (f) Nat'l. or Type No. No. No. (e) Class Bd. No. Y-Pattern Check E-122P-3-1 N/A 7500000487 R/B 1 N/A Y-Pattern Check F-122P-3-2 N/A 7500000487 R/B 1 N/A	1" (g) Yea
Palo Verde, 5801 So. Wintersburg Rd., Tonopah, AZ 85354 Ump or Valve	(g) Yea
Palo Verde, 5801 So. Wintersburg Rd., 1000pan, AZ 03334 Outlet Size 1" Outlet Size Outlet	(g) Yea
Imp or Valve Valve Nominal Inlet Size 1" Outlet Size Outlet	(g) Yea
(a) Model No., (b) Manufacturers' (c) Canadian Series No. Serial Registration (d) Drawing (f) Nat'l. or Type No. No. No. (e) Class Bd. No. Y-Pattern Check E-122P-3-1 N/A 7500000487 R/B 1 N/A Y Pottorn Check F-122P-3-2 N/A 7500000487 R/B 1 N/A	(g) Yea
Series No. Serial Registration or Type (d) Drawing No. (f) Nat'l. Y-Pattern Check E-122P-3-1 N/A 7500000487 R/B 1 N/A Y-Pattern Check E-122P-3-2 N/A 7500000487 R/B 1 N/A	
or Type No. No. No. (e) Class Bd. No. Y-Pattern Check E-122P-3-1 N/A 7500000487 R/B 1 N/A V Pattern Check E-122P-3-2 N/A 7500000487 R/B 1 N/A	
V Pattern Check E-122P-3-2 N/A 7500000487 R/B 1 N/A	Built
V Pattern Chack F-122P-3-2 N/A 7500000487 R/B 1 N/A	1998
	1998
V Date Charle F-122P-3-3 N/A 7500000487 R/B 1 N/A	1998
V Pottorn Check F-122P-3-4 N/A 7500000487 R/B 1 N/A	1998
0)	
1"-1605# Y-Pattern CHeck Valve	
(Brief description of service for which equipment was designed)	1
essure Retaining Pieces	
Mark No. Material Spec. No. Manufacturer Remark	'ks
Castings	
N/A	
	·
Forgings Party CANNO 11 CANNO FOLIA PW/IP International Inc. Put	nn Div
Body S/N 10, 11 SA182-F316 BW/IP International, Inc. Pu	np Div.
Body S/N 10, 11 SA182-F316 BW/IP International, Inc. Pur 12, 13	mp Div.
Body S/N 10, 11 SA182-F316 BW/IP International, Inc. Put 12, 13 Cover HT.#715891 SA479-316 Carpenter Technology Corp.	np Div.
Body S/N 10, 11 SA182-F316 BW/IP International, Inc. Put 12, 13	np Div.
Body S/N 10, 11 SA182-F316 BW/IP International, Inc. Put 12, 13	np Div.
Body S/N 10, 11 SA182-F316 BW/IP International, Inc. Put 12, 13	mp Div.
Body S/N 10, 11 SA182-F316 BW/IP International, Inc. Put 12, 13 Cover HT.#715891 SA479-316 Carpenter Technology Corp. Disc HT.#713514 SA479-316 Carpenter Technology Corp. S/N 15, 16, 17	mp Div.

⁽¹⁾ For manually operated valves only.

^{*} Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8-1/2" x 11", (2) information in items 1, 2 and 5 on this data report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of this form.

Mark No.	Material Spec. No.	Manufacturer	Remarks
Bolting			
N/A			
1			
			,
(d) Other Parts			
N/A			
	,		
			
			**
·····			
rostatic test 5800	psi.	•	•
	· · · · · · · · · · · · · · · · · · ·	IDLIANOF	/ -
SME Certificate of Authorizat	ion NoN1712 to use	(N) (NFV)	expires $\frac{4\cancel{4}5/01}{\text{(Date)}}$.
	OSPERATION OF I		
**************************************	CERTIFICATION OF D		manort PA
information on file at $\frac{BW/J}{J}$	P International, Inc.) on file at <u>BW/IP International</u>	tional Inc. Valve	Division
analysis report (Class 1 only	Williamsport,	PA	DIVIOION
n specifications certified by (1			
iteReg.	No. 10746		
	Ronald S. Farrell		
ite <u>PA</u> Reg.	No. <u>035216-E</u>		
nature not required. List nam	ie only.		
	CERTIFICATE OF SHOP II	NSPECTION	
undersigned holding a valid	commission issued by the Natio		' '
e State of Broxings of Penn		d employed by Commercial	
Boston, MA		ump, or valve, described in	
the 11-24 19.	, and state that to the best of	my knowledge and belief, the	Manufacturer has con-
d this pump, or valve, in acc	ordance with the ASME Code, Sec	tion III.	
ning this certificate, neither t	he Inspector nor his employer ma	akes any warranty, expressed	or implied, concerning
uipment described in this Da	ita Report. Furthermore, neither ti	he Inspector nor his employe	r shall be liable in any
	property damage or a loss of any k		
1 15-24	19 <i>98</i>		
Tout July	Commissions	Pennsylvania 2392	
ad this pump, or valve, in according this certificate, neither to uipment described in this Date of the control	and state that to the best of ordance with the ASME Code, Sec he Inspector nor his employer mata Report. Furthermore, neither the property damage or a loss of any king 19	my knowledge and belief, the tion III. skes any warranty, expressed the Inspector nor his employed arising from or connected	or implied, conce r shall be liable in with this inspecti

		ASME SECTION X	KI – REPAIR / REPI	LACEMENT					
				Page	eiof				
	1. Component ID 1PSGEV6	542		 Control (Mathematical Approximation) 					
Array Comment	2 Item Description: 8" - 90		Seal Check Valve	3028129					
\$ · ·	3. N-5 Data Package Number	: <u>1SG01</u>		3025606 4 6-14-07					
	5. Original Construction Cod	le Edition: 1974 Edition, S	ummer 1975 Addenda	Q	*				
	6. Original Installation Code	Edition: 1974 Edition, Wi	nter 1975 Addenda						
٠.	7. Work Description: Repa	air / modify hinge pin joint L	AW "DF" 3025597 & MN	ICR 92-SG-1036	-				
	8. 🔲 ISI Flaw		NDE Method of Flaw De	tection: N/A					
;			Report Number: N/A						
	9. Evaluation of the suitability	ty of this work as per the req	uirements of IWA - 4150:						
	Not a failure of the ASM	E III pressure boundary. DF	WO# 3025597 evaluated t	he modification of the h	inge pin joints.				
				÷.					
10. Repair/Replacement Work Organization: <u>Arizona Public Service</u>									
	11. Replacement Items Cons	- ·		74 Edition Summer 197:	5 Addenda				
	12. Repair/Replacement Acti								
	13. ASME Section XI Code/	•							
	14. Preservice Inspection Red	quired:	☐ YES ⊠ NO						
	Initial Date If required, include a step in the W.O. to perform Preservice Inspection								
	15. ASME Section XI Pressure Test Required: XYES NO								
dillo		•	include a step in the W.O.		On				
C. S. S.	Initial Marin Date 6	-/9-12/ If required,	-	-					
	Initial Many Date 6 Initial Many Date 6 Initial Many Date 6	-14-D7 16. Include	a step in the W.O. to veri NII prior to approving IN		completed by				
	. / 	17 Taalisda							
	Initial Man Date 6	-19 D7 replace	a step in the W.O. to recoment items.	id below all applicable i	iumbers for				
	Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.				
	Modified Hinge Pin Bonnet	APN 45060244	N/A	8897880	MR 1234617				
			11/5	889 7880	1				
	Modified Hinge Pin Bonnet	APN 45060244	N/A	0011000	MR 1234617				
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	18. Planner Kanner	1/ boot 6.	Printed Name: 4-07 Printed Name:	DAVIO 87. (TODOLGT				
	Signature	Da	ite						
	10 151 RHOOG	P - 6-11	4-07	R.P. TWAR	RPP				
	19. ISI Signature	Da	te Printed Name:	1 C CANADAI	Log Entry V V				
6	14/-		1-07 Drinted Name	R.C. Houst					
Vening 1	20. ANII . X Signature			K.W. HOWS!	NOM				
	Signature	Da	ic						

As Required by the Provisions of the ASME Code Section XI

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1. Owner: Arizo	1. Owner: Arizona Public Service Company, et. al. Date: 6/20/2007								
<u>P. O. I</u>	Box 53999, Phoeni	x Arizona 85072-20	034		Sheet:	1 of 2			
2. Plant: <u>Palo V</u>	verde Nuclear Gen	erating Station			Unit: <u>1</u>				
<u>5801 S</u>	South Wintersburg	Road., Tonopah, A	rizona 8535	54-7529	Work Ord	er Numbe	3028129		
3. Work Performed by: <u>Arizona Public Service</u> Type of Code Stamp <u>None</u>									
	Authorization No. N/A								
Expiration Date N/A									
4. Identification o	4. Identification of System: SG: Main Steam System								
5. (a) Applicable	Construction Code 2	ASME Section III NC	C. Class 2	<u>1974</u> Editio	n, <u>Summer</u>	<u>1975</u> Add	enda,Co	de Case	
(b) Applicable	Edition of Section 2	KI Utilized for Repair	s or Replace	ments: 19	92 Edition	, 1992 Add	denda		
6. Identification o	f Components Repai	red or Replaced and l	Replacement	t Componer	nts			1	
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.		her ication	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)	
Valve	Anchor Darling	2N1513	N/A	1PSGEV	542	1979	Repaired	YES	
Modified Hinge Pin Bonnet	Anchor Darling	N/A	N/A	1PSGEV6	542	2007	Replacement	NO	
Modified Hinge Pin Bonnet	Anchor Darling	N/A	N/A	1PSGEV6	542	2007	Replacement	NO	
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				·					
7. Description of V	Vork: <u>Repaired hi</u>	nge pin joint iaw D	FWO# 302	<u>5597</u>					
8. Test Conducted:	Hydrostatic	Pneumatic [Nomi	inal Operati	ng Pressure		Exempt 🗌		
N-4	16-2 Other	Pressure psi			Test Ten	perature	°F		
		orm of lists, sketche thru 6 on this repo							

	FORM NIS-2 (Back)
9.	Remarks: WO# 3028129 for valve 1PSGEV642. The hinge pin bonnet assembly was repaired to a welded configuration from a pressure seal design iaw DFWO# 3025597. The replacement hinge pin bonnets were machined and installed iaw the DFWO disposition.
Pre	e-Pressured Test WO Review – ISI RPhdap 6/21/07 ANII 25 July 2-22-07
	Certificate of Compliance We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Expiration Date: N/A Signed: 151 Enoines Date: 7-13-07 Owner or Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
	I, the undersigned, holding a valid commission issued by the National Board of boiler and Pressure Vessel Inspectors and the State or Province of <u>Arizona</u> and employed by <u>HSB CT</u> of <u>Hartford, Connecticut</u> , have inspected the components described in this Owner's report during the period of <u>Gardage</u> to <u>7-13-07</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
The second second	requirements of the ASME Code, Section XI.

1. Component ID 11S1AHV0687 2. Item Description: LPSI/CS from SDHX 'A' Crosstie Isolation Valve 3. N-5 Data Package Number: 18106-1 5. Original Construction Code Edition: 1974 Edition, Winter 1975 Addenda 6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda 7. Work Description: Remove the bonnet studs and replace with corrosion resistant material per MEE 04002. Replace the nuts if required. 8.	,	ADMIE SECTION A	1 - REFAIR / REF	LACEIVIENT Page	(of \			
2. Hern Description: LPSL/CS from SDHX/A' Crosstic Relation Valve 3. N-5 Data Tackage Number: LSI06-1 5. Noriganal Construction Code Edition: 1974 Edition. Winter 1975 Addenda 6. Original Installation Code Edition: 1974 Edition. Winter 1975 Addenda 7. Work Description: Remove the bonnet stads and replace with corrosion resistant material per MEE 04002. Replace the nuts if required. 8. □ ISI Flaw NDE Method of Flaw Detection: Report Number: 9. Evafuation of the suitability of this work as per the requirements of IWA - 4150; Not a failure of the ASME pressure boundary. Inspection based upon dry boric acid at bonnet joint 10. Repair/Replacement Work Organization: Arizona Public Service 11. Replacement Herns Construction or reconciled Code/Edition: Sec. IH C12, 1974 Edition 1975 Winter Addenda 12. Repair/Replacement Activity Construction Code/Edition: Sec. IH C12, 1974 Edition 1975 Winter Addenda 13. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 14. Preservice Inspection Required: 19. Preservice Inspection Required: 19. Edition and 1992 Addenda 14. Preservice Inspection Required: 15. ASME Section XI Pressure Test Required: 16. Include a step in the W.O. to verify MIS-2 Form has been completed by ISI & ANII prior to approving INF525 Status. 17. Include a step in the W.O. to record below all applicable numbers for replacement tiems. 18. □ Date □ John Section Secti	1 Component ID 11SIAHV	7687		1 452	UI			
3. N-5 Data Package Number: 15106-1 5. Original Construction Code Edition: 1974 Edition, Winter 1975 Addenda 6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda 7. Work Description: Remove the bonnet studs and replace with corrosion resistant material per MEE 04002. Replace the nuts if required. 8. SI SI 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 of the ASME pressure boundary. Inspection based upon dry boric acid at bonnet joint 10. Repair/Replacement Mork Organization: Arizona Public Service 11. Replacement Items Construction or reconciled Code/Edition: Sec. III Cl 2, 1974 Edition 1975 Winter Addenda 12. Repair/Replacement Activity Construction Code/Edition: Sec. III Cl 2, 1974 Edition 1975 Winter Addenda 13. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 14. Preservice Inspection Required: YES NO 10. Initial 1/17 Date 1/10 C/M-C/ If required, include a step in the W.O. to perform Preservice Inspection 15. ASME Section XI Pressure Test Required: YES NO 10. Initial 1/10 Date 1/10 C/M-C/ If required, include a step in the W.O. for ISL & ANII Inspection. 16. Include a step in the W.O. to record below all applicable numbers for replacement items. 17. Include a step in the W.O. to record below all applicable numbers for replacement items. 18. Planner Studs APN 43115015 APA 1315			Isolation Valve					
5. Original Construction Code Edition: 1974 Edition. Winter 1975 Addenda 6. Original Installation Code Edition: 1974 Edition. Winter 1975 Addenda 7. Work Description: Remove the honnet studs and replace with corrosion resistant material per MEE 04002. Replace the nuts if required. 8. □ ISI Flaw NDE Method of Flaw Detection: Report Number: 9. Evafuation of the suitability of this work as per the requirements of IWA - 4150: Not a failure of the ASME pressure boundary. Inspection based upon dry boric acid at honnet joint 10. Repair/Replacement Work Organization: Arizona Public Service 11. Replacement Items Construction or reconciled Code/Edition: Sec. III C1 2, 1974 Edition 1975 Winter Addenda 12. Repair/Replacement Activity Construction Code/Edition: Sec. III C1 2, 1974 Edition 1975 Winter Addenda 13. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 14. Preservice Inspection Required: □ YES □ NO Initial ○ P Date □ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○								
6. Original Installation Code Edition: 1974 Fidition, Winter 1975 Addenda 7. Work Description: Remove the beomet studs and replace with corrosion resistant material per MEE 04002, Replace the nuts if required. 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 of the ASME pressure boundary. Inspection based upon dry boric acid at bonnet joint 10. Repair/Replacement Work Organization: Arizona Public Service 11. Replacement Items Construction or reconciled Code/Edition: Sec. III C12, 1974 Edition 1975 Winter Addenda 12. Repair/Replacement Activity Construction Code/Edition: Sec. III C12, 1974 Edition 1975 Winter Addenda 13. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 14. Preservice Inspection Required: □ YES □ NO Initial □ Date □ 10 € 10 € 10 € 10 € 10 € 10 € 10 € 10								
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NDE Method of Flaw Detection: Report Number:				ant material per MEE 040	002. Replace the nuts if			
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9. Evaluation of the suitability of this work as per the requirements of IWA - 4150: Not a failure of the ASME pressure boundary. Inspection based upon dry boric acid at bonnet joint 10. Repair/Replacement Work Organization: Arizona Public Service 11. Replacement Hems Construction or reconciled Code/Edition: Sec. III C12, 1974 Edition 1975 Winter Addenda 12. Repair/Replacement Activity Construction Code/Edition: Sec. III C12, 1974 Edition 1975 Winter Addenda 13. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 14. Preservice Inspection Required: YES NO Initial Home Date Form Preservice Inspection 15. ASME Section XI Pressure Test Required: YES NO Initial Home Date Form Preservice Inspection. 16. Include a step in the W.O. to verify NIS-2 Form has been completed by ISI & ANII Inspection. 16. Include a step in the W.O. to record below all applicable numbers for replacement items. 17. Include a step in the W.O. to record below all applicable numbers for replacement items. 18. Planner Studs APN 43115015 A/A OP24 123 & 674 Bonnet Nuts APN 43120053 A/A HT3e13.72.Hc-Fe 1/236699 18. Planner Signature Date Printed Name: Form Printed Name: R. B. Brown May Entry Bate Date Printed Name: R. Brown May Entry Bate Date Date Printed Name: R. Brown May Entry Bate Date Date Printed Name: R. Brown May Entry Bate Date Date Date Printed Name: R. Brown May Entry Bate Date Date Printed Name: R. Brown May Entry Bate Date Date Printed Name: R. Brown May Entry Bate Date Date Printed Name: R. Brown May Entry Bate Date Date Printed Name: R. Brown May Entry Bate Date Date Date Printed Name: R. Brown May Entry Bate Date Date Printed Name: R. Brown May Entry Bate Date Date Printed Name: R. Brown May Entry Bate Date Date Printed Name: R. Brown May Entry Bate Date Date Printed Name: R. Brown May Entry Bate Date Date Date Printed Name: R. Brown May Entry Bate Date Date Date Printed Name: R. Brown May Printed Name: R. Brown May Printed Name: R. Brown May Printed Name: R. Brown May Printed Name: R. Brown May Printed Name: R. B	8. 🗌 ISI Flaw		NDE Method of Flaw D	etection:				
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10. Repair/Replacement Work Organization: Arizona Public Service 11. Replacement Items Construction or reconciled Code/Edition: Sec. III C12, 1974 Edition 1975 Winter Addenda 12. Repair/Replacement Activity Construction Code/Edition: Sec. III C12, 1974 Edition 1975 Winter Addenda 13. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 14. Preservice Inspection Required: YES NO Initial // Date // Date // Organization: Trequired, include a step in the W.O. to perform Preservice Inspection 15. ASME Section XI Pressure Test Required: YES NO Initial // Date // Organization: Trequired, include a step in the W.O. for ISI & ANII Inspection. 16. Include a step in the W.O. to verify NIS-2 Form has been completed by ISI & ANII prior to approving INP525 Status. 17. Include a step in the W.O. to record below all applicable numbers for replacement items. 18. Item ID Part No. Serial No. Heat No. MR/PO/WO No. Fabricated Bonnet Studs APN 43115015 // A OP39 // A 336699 19. ISI Planner / Date // Organization // A OP39 // A 336699 19. ISI Planner / Date // Organization // A OP39 // A SIGNATURE OF OP39 // A S	9. Evaluation of the suitabilit	y of this work as per the requ	uirements of IWA - 4150):				
11. Replacement Items Construction or reconciled Code/Edition: Sec. III C1 2, 1974 Edition 1975 Winter Addenda 12. Repair/Replacement Activity Construction Code/Edition: Sec. III C1 2, 1974 Edition 1975 Winter Addenda 13. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 14. Preservice Inspection Required: YES NO Initial Initi	Not a failure of the ASMI	E pressure boundary. Inspect	ion based upon dry boric	acid at bonnet joint				
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11. Replacement Items Construction or reconciled Code/Edition: Sec. III C1 2, 1974 Edition 1975 Winter Addenda 12. Repair/Replacement Activity Construction Code/Edition: Sec. III C1 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 Joby of If required, include a step in the W.O. to perform Preservice Inspection 15. ASME Section XI Pressure Test Required: YES NO Initial // Date Joby of If required, include a step in the W.O. for ISI & ANII Inspection. Initial Jobate Joby of If required, include a step in the W.O. to verify NIS-2 Form has been completed by ISI & ANII prior to approving INPS25 Status. Initial Jobate Joby of Include a step in the W.O. to record below all applicable numbers for replacement items. Item ID Part No. Serial No. Heat No. MR/PO/WO No. Fabricated Bonnet Studs APN 43115015 N/A CP29 1336699 Bonnet Nuts APN 43120053 N/A HT361372 Hc-F6 /236699 18. Planner Signature Date Date Jobate Printed Name: R. I. Brown Signature Date Date Date Printed Name: R. I. Brown Signature Date Date Date Printed Name: R. I. Brown Signature Date Date Date Printed Name: R. I. Brown Signature Date Date Date Printed Name: R. I. Brown Signature Date Date Date Printed Name: R. I. Brown Signature Date Date Date Printed Name: R. I. Brown Signature Date Date Date Date Date Date Date Dat	•	•			-			
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 \(\begin{array}{c c c c c c c c c c c c c c c c c c c	10. Repair/Replacement Wor	k Organization: <u>Arizona P</u>	ublic Service					
13. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 14. Preservice Inspection Required: YES NO	11. Replacement Items Const	ruction or reconciled Code/E	Edition: Sec. III Cl 2, 19	974 Edition 1975 Winter	<u>Addenda</u>			
14. Preservice Inspection Required: YES NO	12. Repair/Replacement Acti	vity Construction Code/Editi	on: Sec. III Cl 2, 1974	Edition 1975 Winter Add	enda			
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15. ASME Section XI Pressure Test Required:	14. Preservice Inspection Rec	quired:	☐ YES 🗵 NO	•				
15. ASME Section XI Pressure Test Required: YES NO	Initial M/M Date M	IN 6-14-07 If required, i	include a step in the W.C), to perform Preservice In	Ispection			
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Initial Date 6-14-07 16. Include a step in the W.O. to verify NIS-2 Form has been completed by ISI & ANII prior to approving INP525 Status. 17. Include a step in the W.O. to record below all applicable numbers for replacement items. 18. Planner Signature 19. ISI 19. ISI 10. Include a step in the W.O. to record below all applicable numbers for replacement items. 19. Include a step in the W.O. to record below all applicable numbers for replacement items. 19. ISI 19. ISI 19. ISI 19. ISI 10. Include a step in the W.O. to record below all applicable numbers for replacement items. 19. IFI 19. ISI 19. ISI 19. ISI 19. ISI 19. ISI 10. Include a step in the W.O. to verify NIS-2 Form has been completed by ISI & ANII prior to approving INP525 Status. 19. ISI 19. ISI 10. Include a step in the W.O. to verify NIS-2 Form has been completed by ISI & ANII prior to approving INP525 Status. 19. ISI 19. ISI 10. Include a step in the W.O. to record below all applicable numbers for replacement items. 19. ISI 10. Include a step in the W.O. to record below all applicable numbers for replacement items. 19. ISI 10. Include a step in the W.O. to record below all applicable numbers for replacement items. 19. ISI 10. Include a step in the W.O. to record below all applicable numbers for replacement items. 19. ISI 10. Include a step in the W.O. to record below all applicable numbers for replacement items. 19. ISI 10. ISI 11. Include a step in the W.O. to record below all applicable numbers for replacement items. 10. ISI 11. Include a step in the W.O. to record below all applicable numbers for replacement items. 11. Include a step in the W.O. to record below all applicable numbers for replacement items. 12. Include a step in the W.O. to record below all applicable numbers for replacement items. 13. Include a step in the W.O. to record below all applicable numbers for replacement items.					on.			
Initial Date 6-14-07 17. Include a step in the W.O. to record below all applicable numbers for replacement items. Item ID	Initial ~//f Date <u>~</u>	.06.74.07		'c Maor				
Item ID Part No. Serial No. Heat No. MR/PO/WO No. Fabricated Bonnet Studs APN 43115015 A/A CP29 /33 6699 Bonnet Nuts APN 43120053 A/A HT3c1372Hc-F6 /236699 18. Planner Signature Printed Name: James I. Davis Date 19. ISI Signature Printed Name: R. I. Brown Manage Entry Date Printed Name: R. I	Initial Jo Date 6	-/4-07 ISI & A	-	-	completed by			
Item ID Part No. Serial No. Heat No. MR/PO/WO No. Fabricated Bonnet Studs APN 43115015 A/A CP29 /33 6699 Bonnet Nuts APN 43120053 A/A HT3c1372Hc-F6 /236699 18. Planner Signature Printed Name: James I. Davis Date 19. ISI Signature Printed Name: R. I. Brown Manage Entry Date Printed Name: R. I	, _	17. Include	a step in the W.O. to rece	ord below all applicable p	umbers for			
Fabricated Bonnet Studs APN 43115015 APN 43120053 APN 4	Initial Date 6	2 () S	-	,				
Bonnet Nuts APN 43120053 APP 43120053 APP 43120053 APP 43120053 APP 43120053 APP	Item ID	Part No.	Serial No.	Heat No.	MR/PO/WO No.			
18. Planner Signature Date Date Printed Name: Amas I. Davis Date Printed Name: R. Brown Hog Entry B	Fabricated Bonnet Studs	APN 43115015		0P29	123 6699			
18. Planner Signature Date Date Printed Name: Amas I. Davis Date Printed Name: R. Brown Hog Entry B	Bonnet Nuts	APN 43120053	~/A	HT301372HC-E6	1236699			
19. ISI Signature C/14/07 Printed Name: 12/13/20(20) Hog Entry Date	**•. 							
19. ISI Signature C/14/07 Printed Name: 12/13/20(20) Hog Entry Date								
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19. ISI Signature C/14/07 Printed Name: 12/13/20(e)Wiscog Entry Date								
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19. ISI Signature C/14/07 Printed Name: 12/13/20(20) Hog Entry Date								
19. ISI Signature C/14/07 Printed Name: 12/13/20(20) Hog Entry Date	18 Plannar	12 - 1-10	COZ . Drintad Nama	TanceT	Daire			
19. ISI Signature C/14/07 Printed Name: 12/13/20(e)Wiscog Entry Date	Signature	· · · · · · · · · · · · · · · · · · ·	te,	· Amis D. L	217 0 . 3			
		7	/	212	12, Q			
		1 6/14/6	Printed Name:	: 1K L [] POCE)X	11 Hog Entry			
20 ANII The G-14-07 Printed Name: R.G. HOGSTROM	Signature/							
20. rating	20 AVII ON 1.5		•	/				
Signature Date Pv216-08N1 (8-88) 73DP-97Z17 Rev 9		G-14-	Printed Name:	R.G. HOGSTROM				

As Required by the Provisions of the ASME Code Section XI

P. O. Box 53999, Phoenix Arizona 85072-2034 2. Plani: Palo Verde Nuclear Generating Station	1	Owner: <u>Arizo</u>	na Public Service (Company, et. al.		Date: <u>06</u>	6/19/2007		
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 Name of Manufacture Serial No. Naminal Board No. Other Identification Page 1978 Repaired or Replacement Code Stamped (Yes or No) Valve Borg-Warner 28639 896 IJSIAHV0687 1978 Repaired YES Bonnet Studs N/A N/A N/A Heat# OP29 2007 Replacement NO Bonnet Nuts N/A N/A N/A Heat# 301372 2007 Replacement NO Replacement NO Replacement NO Replacement NO Replacement NO Replacement NO Replacement NO Replacement NO Replacement NO Replacement NO Replacement NO Replacement NO Replacement NO Replacement NO Replacement NO Replacement NO Replacement NO Replacement NO N		<u>P. O. J</u>	Box 53999, Phoeni	x Arizona 85072-20	<u>)34</u>	Sheet:	<u>1</u> of <u>2</u>		
3. Work Performed by: Arizona Public Service 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 Name of Manufacturer Serial No. National Board No. Other Identification Penagement No.	2. Plant: Palo Verde Nuclear Generating Station Unit: 1								
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 Name of Manufacturer Serial No. National Board No. Identification Year Repaired or Replacement Code Stamped (Yes or No) Valve Borg-Warner 28639 896 IJSIAHV0687 1978 Repaired YES Bonnet Studs N/A N/A N/A Heat# OP29 2007 Replacement NO Bonnet Nuts N/A N/A N/A Heat# 301372 2007 Replacement NO 7. Description of Work: Replace the bonnet studs with corrosion resistant material. 8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Exempt Mo	5801 South Wintersburg Road., Tonopah, Arizona 85354-7529 Work Order Number 3028361								
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 Name of Manufacture Serial No. National Board No. National Board No. National Board No. National Serial No. No.	3. Work Performed by: <u>Arizona Public Service</u> Type of Code Stamp None								
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 Name of Manufacture Serial No. No. Identification Serial No. No. Code Stamped (Yes or No)			ŀ			Authoriza	ition No.	<u>N/A</u>	
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 Name of Manufacture Serial No. No. Identification Serial No. No. Code Stamped (Yes or No)		,				Expiratio	n Date <u>N</u>	<u>/A</u>	
(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 Manufacture Serial No. National Board No. Other Identification Stamped (Yes or No)	4.	Identification o	f System: Safety In	jection				₩ "	
Name of Item	5.	(a) Applicable	Construction Code 2	ASME Section III NC	, Class 2	974 Edition, Winter	1975 Add	enda, Code	e Case
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 28639 896 IJSIAHV0687 1978 Repaired YES Bonnet Studs N/A N/A N/A Heat# OP29 2007 Replacement NO Bonnet Nuts N/A N/A N/A Heat# 301372 2007 Replacement NO 7. Description of Work: Replace the bonnet studs with corrosion resistant material. 8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt ⊠		(b) Applicable	Edition of Section 2	I Utilized for Repairs	s or Replace	ments: 1992 Edition,	1992 Add	lenda	
Item Manufacture Serial No. Board No. Identification No. Built Stamped (Yes or No) Replacement Stamped (Yes or No) Valve Borg-Warner 28639 896 1JSIAHV0687 1978 Repaired YES Bonnet Studs N/A N/A N/A Heat# OP29 2007 Replacement NO Bonnet Nuts N/A N/A N/A Heat# 301372 2007 Replacement NO 7. Description of Work: Replace the bonnet studs with corrosion resistant material. 8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt	6.	Identification o	f Components Repai	red or Replaced and I	Replacement	Components			1
Valve Borg-Warner 28639 896 IJSIAHV0687 1978 Repaired YES Bonnet Studs N/A N/A N/A Heat# OP29 2007 Replacement NO Bonnet Nuts N/A N/A N/A Heat# 301372 2007 Replacement NO 7. Description of Work: Replace the bonnet studs with corrosion resistant material. 8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Exempt			9		Board				Code Stamped (Yes or
Bonnet Studs N/A N/A N/A Heat# OP29 2007 Replacement NO Bonnet Nuts N/A N/A N/A Heat# 301372 2007 Replacement NO 7. Description of Work: Replace the bonnet studs with corrosion resistant material. 8. Test Conducted: Hydrostatic □ Pneumatic □ Nominal Operating Pressure □ Exempt ☒	Va	alve	Borg-Warner	28639	896 ·	IJSIAHV0687	1978	Repaired	YES
7. Description of Work: Replace the bonnet studs with corrosion resistant material. 8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒	Во	onnet Studs	N/A	N/A	N/A	Heat# OP29	2007	Replacement	NO
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt	Во	onnet Nuts	N/A	N/A	N/A	Heat# 301372	2007	Replacement	NO
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt		/							
	7.		<u> </u>	<u></u>				<u> </u>	`
N-416-2 Other Pressure psi Test Temperature °F		Description of	Work: Replace the	bonnet studs with o	corrosion re	esistant material.			
			-			•	re 🗌	Exempt 🛛	
		Test Conducted	l: Hydrostatic	Pneumatic [Nomi	inal Operating Pressu			
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.		Test Conducted	l: Hydrostatic	Pneumatic [Nomi	inal Operating Pressu			

FORM NIS-2 (Back)	`e
Remarks: WO# 3028361 replaced the bonnet bolting in valve IJSIAHV0687 with callowed per MEE 04002.	corrosion resistant materials as
Pre-Pressured Test WO Review – ISI ANII	
Certificate of Compliance	
We certify that the statements made in the report are correct and this replacer ASME Code, Section XI.	ment conforms to the rules of the
Type Code Symbol StampN/A	
Certificate of Authorization No. N/A Expiration Signed: Owner or Owner's Designee, Title	on Date: <u>N/A</u> Date: <u>6-19-07</u>
CERTIFICATE OF INSERVICE INSPE	ECTION
I, the undersigned, holding a valid commission issued by the National Boa Inspectors and the State or Province of <u>Arizona</u> and employed by <u>HSB CT</u> inspected the components described in this Owner's report during the period to, and state that to the best of my knowledge and examinations and taken corrective measures described in this Owner's requirements of the ASME Code, Section XI.	of Hartford, Connecticut, have d of belief, the Owner has performed
By signing this certificate, neither the Inspector nor his employer makes any concerning the examinations and corrective measures described in this Owne the Inspector nor his employer shall be liable in any manner for any personal loss of any kind arising from or connected with this inspection.	er's report. Furthermore, neither
	9685 "N" "I" AZ264 nal Board, State, Province, and Endorsements
Date: 6-19-07	

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Page of 1. Component ID 1PSIAV434 2.. Item Description: CHECK VALVE ON LPSI 'A' DISCHARGE 3. N-5 Data Package Number: 1S107-7 4. W.O. Number: 3029281 5. Original Construction Code Edition: 1974 Edition, Winter 1975 Addenda 6. Griginal Installation Code Edition: 1974 Edition, Winter 1975 Addenda 7. Work Description: Replacement of bonnet fasteners 8. SI ISI Flaw NDE Method of Flaw Detection: Report Number: 9. Evaluation of the suitability of this work as per the requirements of IWA - 4150: Not a failure of the ASME pressure boundary. Inspection based upon dry boric acid at bonnet joint 10. Repair/Replacement Work Organization: Arizona Public Service 11. Replacement Items Construction or reconciled Code/Edition: Sec. III Cl 2, 1974 Edition 1975 Winter Addenda 12. Repair/Replacement Activity Construction Code/Edition: Sec. III Cl 2, 1974 Edition 1975 Winter Addenda 1992 Edition and 1992 Addenda 13. ASME Section XI Code/Edition: ⊠ NO 14. Preservice Inspection Required: ☐ YES N/A Date _____ If required, include a step in the W.O. to perform Preservice Inspection 15. ASME Section XI Pressure Test Required: ☐ YES ⊠ NO Initial N/A Date If required, include a step in the W.O. for ISI & ANII Inspection. 16. Include a step in the W.O. to verify NIS-2 Form has been completed by Initial Sam Date 6/17/07 ISI & ANII prior to approving INP525 Status. 17. Include a step in the W.O. to record below all applicable numbers for Stm Date Ce/17/07 replacement items. Item ID Part No. Serial No. Heat No. /MR/PO/WO No. 0829 APN Bonnet studs 1237284 APN 43120053 301372 HC-E6 Bonnet nuts 123 7226 Printed Name: Printed Name: WILEY AHLSTRANLOg Entry From Jertelecon MarThle 6-18-07: Printed Name:

PV216-08NI (8-88

ASME SECTION XI – REPAIR / REPLACEMENT

As Required by the Provisions of the ASME Code Section XI

The state of the s				and the second s	and the second second second second	PARAMETER STREET, SWIFTER SWIFTER SWIFTER	THE SERVICE OF CHILD SPECIAL PROPERTY.
1. Owner: Arizo	na Public Service (Company, et. al.		Date: (06/17/2007		
<u>P. O. Box 53999, Phoenix Arizona 85072-2034</u> Sheet: <u>1</u> of <u>2</u>							
2. Plant: Palo Verde Nuclear Generating Station Unit: 1							1 .
<u>5801 S</u>	South Wintersburg	Road., Tonopah, A	rizona 8535	4-7529 Work O	rder Numbei	3029279 MA	m G-ld-or
3. Work Performe	3. Work Performed by: Arizona Public Service Type of Code Stamp None						
		· ·		Authoriz	zation No.	N/A	
	,			Expirati	on Date N/	<u>A</u>	
4. Identification o	f System: SI: Safet	v Injection					
5. (a) Applicable	Construction Code A	ASME Section III NC	. Class 2	974 Edition, Winter	· 1975 Adde	nda, Code	e Case
(b) Applicable	Edition of Section 3	KI Utilized for Repair	s or Replace:	ments: 1992 Editio	on, 1992 Ac	ldenda	
6. Identification o	f Components Repai	red or Replaced and I	Replacement	Components			1
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	24663	567	1PSIAV434	1977	Repaired	YES
Bonnet Studs	N/A ,	N/A	N/A	1PSIAV434	2007	Replacement	NO
Bonnet Nuts	N/A	N/A	N/A	1PSIAV434	2007	Replacement	NO .
,			·				
· Ž							ì
			, 				
7. Description of	Work: Remove and	d inspect bonnet bo	lting to peri	form ISI inspection	ı. Replace i	f required.	· · · · · · · · · · · · · · · · · · ·
7. Description of `8. Test Conducted				Form ISI inspection in the state of the stat		frequired.	
8. Test Conducted	: Hydrostatic		Nom	nal Operating Press		Exempt 🛚	

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)
1111	. Remarks: WO# 3029281 replaced the bonnet bolting in valve 1PSIAV434 as required based on IS1 inspection.
P	re-Pressured Test WO Review – ISI
	ANII
	Certificate of Compliance
	We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.
	Type Code Symbol Stamp N/A
	Certificate of Authorization No. <u>N/A</u> Expiration Date: <u>N/A</u>
	Signed: JALA 151 ENC Date: 6-19-07
	·
	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
	Inspectors Signature National Board, State, Province, and Endorsements Date: مراحات علامات
•	

PV216-08NI (8-88)

ASME SECTION XI - REPAIR / REPLACEMENT Page 1. Component ID 1JSIAHV0684 2. Item Description: CNTMT SPRAY PUMP A DISCHARGE TO SD CLG HX A VALVE 3. N-5 Data Package Number: 1SI06-01 4. W.O. Number: 3029330 5. Original Construction Code Edition: 1974 Edition, Winter 1975 Addenda 6. Original Installation Code Edition: 1974 Edition, Winter 1975 Addenda 7. Work Description: Replacement of bonnet fasteners 8. SI ISI Flaw NDE Method of Flaw Detection: Report Number: 9. Evaluation of the suitability of this work as per the requirements of IWA - 4150: Not a failure of the ASME pressure boundary. Inspection based upon dry boric acid at bonnet joint 35 10. Repair/Replacement Work Organization: Arizona Public Service 11. Replacement Items Construction or reconciled Code/Edition: Sec. III Cl 2, 1974 Edition 1975 Winter Addenda 12. Repair/Replacement Activity Construction Code/Edition: Sec. III Cl 2, 1974 Edition 1975 Winter Addenda 13. ASME Section XI Code/Edition: 1992 Edition and 1992 Addenda 14. Preservice Inspection Required: \bowtie NO ☐ YES Initial 1/4 Date If required, include a step in the W.O. to perform Preservice Inspection 15. ASME Section XI Pressure Test Required: m' Date 6/16/07 If required, include a step in the W.O. for ISI & ANII Inspection. Initial 😞 16. Include a step in the W.O. to verify NIS-2 Form has been completed by ISI & ANII prior to approving INP525 Status. m Date 6/16/07 17. Include a step in the W.O. to record below all applicable numbers for Initial replacement items. Item ID Serial No. Heat No. MR/PO/WO No. Bonnet studs 01237285-acot Bonnet nuts 0123*7221 -cro1* 18. Planner Printed Name: Printed Name: W/LEY AHLSTROM Log Entry 6-18-0> Printed Name:

As Required by the Provisions of the ASME Code Section XI

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1. Owner: Arizo	na Public Service (Company, et. al.		1	Date: <u>06</u>	16/2007		
· · <u>Р. О. І</u>	Box 53999, Phoeni	x Arizona 85072-20)34		Sheet:	<u>1</u> of <u>2</u>		
2. Plant: <u>Palo V</u>	Verde Nuclear Gen	erating Station			Unit: <u>1</u>	:		
<u>5801 S</u>	South Wintersburg	Road., Tonopah, A	rizona 8535	4-7529	Work Ord	er Number	3029330	
3. Work Performed by: <u>Arizona Public Service</u> Type of Code Stamp <u>None</u>								
Authorization No. N/A						-		
,				•	Expiration	Date N/	<u>A</u> 🌉 -	
4. Identification o	f System: SI: Safet	v Injection					¥	
5. (a) Applicable	Construction Code <u>J</u>	ASME Section III NC	, Class 2	<u> 1974</u> Editio	n, <u>Winter 1</u>	975 Adde	nda, Code	e Case
(b) Applicable	Edition of Section 2	(I Utilized for Repair	s or Replace	ments: <u>199</u>	92 Edition	. 1992 Ac	ldenda	
6. Identification o	f Components Repai	red or Replaced and I	Replacement	Componer	nts			
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	B .	her fication	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)
Valve	Borg Warner	28636	893	1JSIAHV	70684	1978	Repaired	YES
Bonnet Studs	N/A	N/A	N/A	1JSIAHV	0684	2007	Replacement	NO
Bonnet Nuts	N/A	N/A	N/A	1JSIAHV	70684	2007.	Replacement	NO
· · · · · · · · · · · · · · · · · · ·	-							
Ţ.								
			,					
7. Description of	Work: Remove an	d inspect bonnet bo	lting to per	form ISI in	nspection.	Replace i	f required.	
8. Test Conducted	: Hydrostatic	Pneumatic [Nom	inal Operat	ing Pressur	e 🔲	Exempt 🛛	
N-4	416-2 Other	Pressure ps	· · · · · · · · · · · · · · · · · · ·	ξ λ,	Test Ten	nperature	°F	· v
inches, (2) info	ormation in items 1	form of lists, sketches thru 6 on this repo	rt is include					

<u> 18 Salan Baratan Baratan Baratan Baratan Baratan Baratan Baratan Baratan Baratan Baratan Baratan Baratan Bara</u>				
	FOF	RM NIS-2 (Bac	ck)	
. Remarks: <u>WO# 3029</u>	9330 replaced the bonnet bo	lting in valve IJSIAHV068	34 as required based on IS	I inspection.
				And the second s
Pre-Pressured Test WO	Review – ISI	145		
•	ANII)A	• •	4 4
	Certi	ificate of Complian	nce	
We certify that the s ASME Code, Sectio	tatements made in the rep n XI.	oort are correct and this r	eplacement conforms to	the rules of the
Type Code Symbol S	Stamp	N/A		
Certificate of Author	rization No.	<u>N/A</u> E	xpiration Date:	N/A
Signed:	Owner's Designe	S L E W L	Date:	1967
	•			
<u>kan kangangan di Santa di Kangangan di Angg</u>			The second secon	
ý: 				

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 6-18-67
to, and state that to the best of my knowledge and belief, the Owner has performed
examinations and taken corrective measures described in this Owner's Report in accordance with the
requirements of the ASME Code, Section XI.
By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied,
concerning the examinations and corrective measures described in this Owner's report. Furthermore, neither
the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a
loss of any kind arising from or connected with this inspection.
Commissions: NB 9685 "N" "I" AZ264 Inspectors Signature National Board, State, Province, and Endorsements
National Board, State, Province, and Endorsements
Inspectors Signature

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·	ASME SECTION X	I – REPAIR / REP	LACEMENT	
	n y jaki nisitti isan ya Min sanya kasang inja di Tana Ilmasa a Manasa kabansa ka		Pag	ge \ of \
1. Component ID <u>1PSIAV48</u>	<u>35</u>			
2 Item Description: Contain				
3. N-5 Data Package Number		4. W.O. Number:	3029356	
5. Original Construction Cod				
 6. Original Installation Code 7. Work Description: Replay 		nter 1975 Addenda		
8. ISI Flaw		NDE Method of Flaw D	Detection:	
		Report Number:		,
9. Evaluation of the suitabilit	y of this work as per the requ	irements of IWA - 4150):	
Not a failure of the ASM	E pressure boundary. Inspect	ion based upon dry bori	c acid at bonnet joint	
•				
			;	
				22j ** - *
10. Repair/Replacement Wor			074 7 17 1077 337 1	A 1.1 X
11. Replacement Items Const12. Repair/Replacement Acti				
13. ASME Section XI Code/I			Edition 1973 Whitei A	udenda
14. Preservice Inspection Rec] YES ⊠ NO)	/
Initial NA Date	-	nclude a sten in the W () to perform Preservice	Inspection
15. ASME Section XI Pressu		7 YES ⊠ N		mspection
Initial <u>NA</u> Date	•	-	D. for ISI & ANII Inspec	ction.
		•	rify NIS-2 Form has bee	
Initial Sm Date Co	ISI & A	NII prior to approving I	-	ii completed by
Initial Sim Date Co	17. Include		cord below all applicable	numbers for
Initial Str. Date Co	replacen	nent items.		
Item ID	Part No. 73/15-616-514 APN 43160015-431/50	Serial No.	Heat No.	MR/PO/WO No.
Bonnet studs	APN 43160015 431150		OP29	1037285
Bonnet nuts	APN 43120053	~/A	4470	1237232
'n,				
18. Planner Signature	0/1:	7/07 Printed Name	»:	
19. ISI 97/9 Men		** *	WILEY AHLS	Carong Entry War
Signature	Dat	te		
20. ANII K. Hoystrom 10 to Signature	recom May Sh- G11	8-07 Printed Name):	

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As Required by the Provisions of the ASME Code Section XI

5.	Colonyala Spring ess recome a least for the colonyal								
1. Owner: Arizor	na Public Service (Company, et. al.		, Da	ate: <u>06/</u>	17/2007			
<u>P. O. E</u>	30x 53999, Phoeni	x Arizona 85072-20	<u>)34</u>	Sl	Sheet: $\underline{1}$ of $\underline{2}$				
2. Plant: <u>Palo V</u>	erde Nuclear Gen	erating Station		Uı	nit: <u>1</u>		÷		
<u>5801 S</u>	5801 South Wintersburg Road Tonopah, Arizona 85354-7529 Work Order Number 3029356								
3. Work Performe	d by: <u>Arizona Publi</u>	<u>Service</u>		Ty	pe of Co	ode Stamp	None None		
1					uthorizat	ion No.	<u>N/A</u>		
.*				Ex	cpiration	Date N/	A		
4. Identification of	f System: SI: Safet	y Injection			-			,	
5. (a) Applicable	Construction Code A	ASME Section III NC	C, Class 2	1974 Edition, 1	Winter 1	975 Adde	nda, Code	e Case	
(b) Applicable	Edition of Section 2	(I Utilized for Repair	s or Replace	ments: <u>1992</u>	Edition,	1992 Ad	ldenda		
6. Identification of	f Components Repai	red or Replaced and l	Replacement	Components				<u> </u>	
Name of Item	Name of Manufacture	Manufacturer Serial No.	National Board No.	Other Identifica		Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)	
Valve	Borg Warner	27306	605	1PSIAV485		1977	Repaired	YES	
Bonnet Studs	N/A	N/A	N/A	1PSIAV485	, -	2007	Replacement	NO	
Bonnet Nuts	N/A	N/A	N/A	1PSIAV485	,	2007	Replacement	NO	
7									
15 / 46 ,							,		
								·	
			,						
7. Description of V	Work: Remove an	d inspect bonnet bo	lting to per	form ISI insp	ection.	Replace i	f required.		
8. Test Conducted	: Hydrostatic	Pneumatic [Nom	inal Operating	Pressure		Exempt 🛛		
. N-4	116-2 Other	Pressure ps	i	5	Гest Тem	perature	°F		
		form of lists, sketch							

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

	FORM NIS-2 (Back)
THE REAL	Remarks: WO# 3029356 replaced the bonnet bolting in valve 1PSIAV485 as required based on ISI inspection.
Pı	re-Pressured Test WO Review – ISI
	ANII)A
	Certificate of Compliance
	We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI.
	Type Code Symbol Stamp N/A
	Certificate of Authorization No. N/A Expiration Date: N/A Signed: 151 Suc Date: 6-19-65
	When of Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of boiler and Pressure Vessel Inspectors and the State or Province of Arizona and employed by HSB CT of Hartford, Connecticut, have
	inspected the components described in this Owner's report during the period of
	By signing this 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 aloss of any kind arising from or connected with this inspection.
	Commissions: NB 9685 "N" "I" AZ264 National Board, State, Province, and Endorsements
	Date: 6-19-07

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