



102-06718-TNW/RKR/CJS  
June 26, 2013

**Palo Verde  
Nuclear Generating Station**  
P.O. Box 52034  
Phoenix, AZ 85072  
Mail Station 7636  
Tel: (623) 393-5764

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  
Third 10-Year Interval, Second Period:  
Owner's Activity Report Number U1R17**

Pursuant to 10 CFR 50.55a and in accordance with the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code Case N-532-4, Arizona Public Service Company (APS) hereby submits the Owner's Activity Report (Form OAR-1) for Unit 1 refueling outage 17 (U1R17). The outage ended on April 28, 2013.

No commitments are being made to the NRC by this letter. Should you need further information regarding this submittal, please contact Robert K. Roehler, Licensing Section Leader, at (623)393-5241.

Sincerely,

TNW/RKR/CJS/hsc

Enclosure: Unit 1 Seventeenth Refueling Outage Owner's Activity Report,  
Report U1R17

cc: A.T. Howell III      NRC Region IV Regional Administrator  
J. K. Rankin          NRC NRR Project Manager for PVNGS (electronic)  
M. A. Brown          NRC Senior Resident Inspector for PVNGS

A047  
NRR

**ENCLOSURE**

**Unit 1**

**Seventeenth Refueling Outage Owner's Activity  
Report**

**Report U1R17**

**FORM OAR-1 OWNER'S ACTIVITY REPORT**

Report Number: 1R17

Plant: Palo Verde Nuclear Generating Station, 5801 S. Wintersburg Road, Tonopah, Arizona 85354-7529

Unit No.: 1 Commercial service date: Jan 28, 1986 Refueling Outage No.: 17  
(if applicable)

Current inspection interval ISI\*, RR\* and Pressure Test\* = 3rd Interval, IWE\* & IWL = 2nd Interval  
(1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup>, 4<sup>th</sup>, other)

Current inspection period ISI, RR, Pressure Test and IWE = 2nd Period, IWL = 1st Period  
(1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup>)

Edition and Addenda of Section XI applicable to the inspection plans \* = 2001 Ed, 2003 Ad., IWL = 2007 Ed. 2008 Ad

Date and revision of inspection plans ISI=9/14/11, R 1, Press Test=7/20/12, R 3, IWE=4/02/09, R 0, IWL = 11/08/12 R 1

Edition and Addenda of Section XI applicable to repair/replacement activities,  
if different than the inspection plans 2001 Edition through 2003 Addenda

Code Cases used: N-532-4  
(if applicable)

**CERTIFICATE OF CONFORMANCE**

I certify that (a) the statements made in this report are correct; (b) the examinations and tests meet the Inspection Plan as required by the ASME Code, Section XI; and (c) the repair/replacement activities and evaluations supporting the completion of 1R17 conform to the requirements of Section XI.  
(refueling outage number)

Signed Folley, Roy  
C(Z07131)

Digitally signed by Folley, Roy C(Z07131)  
DN: cn=Folley, Roy C(Z07131)  
Reason: I am the author of this document  
Date: 2013.06.19 08:37:01 -0700'

Date: Jun 19, 2013

**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 Global Standards of Hartford, Connecticut have inspected the items described in this Owner's Activity Report, and state that, to the best of my knowledge and belief, the Owner has performed all activities represented by this report in accordance with the requirements of Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the repair/replacement activities and evaluation described in this 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.

Hogstrom,  
Robert (YH2450)  
Digitally signed by Hogstrom, Robert (YH2450)  
DN: cn=Hogstrom, Robert (YH2450)  
Date: 2013.06.19 08:38:38 -0700'

Commissions N.B. 9685, Az 264, "A, N, I, C"  
National Board, State, Province, and Endorsements

Date: Jun 19, 2013

Palo Verde Nuclear Generating Station  
 Table 1  
 Items with flaws or relevant conditions that  
 required evaluation for continued service

Examination Category	Item Number	Description of Work	Evaluation Description
.....	.....	None	.....

Palo Verde Nuclear Generating Station  
Table 2  
Abstract of repair/replacement activities  
required for continued service

Code Class	Item	Description	Date	Repair/Replacement
2	1PSGEL008 - Feedwater Header to SG1 RCE-E01A, Downcomer	Replace CS pipe spool with SS per EDC 2008-00036	4/25/2013	WO# 3124943
2	1PSGEL008 - Feedwater Header to SG1 RCE-E01A, Downcomer	Replace CS pipe spool with SS per EDC 2008-00037	4/25/2013	WO# 3124945
3	1PSPBL032 - ESP Pump to DG Heat Exchanger DGB-E01	Replace spool due to corrosion	4/18/2013	WO# 3463890
3	1PSPBL049 S005 - DGB-E01 HX to Spray Pond "B"	Replace piping due to internal corrosion	4/20/2013	WO# 3467077
3	1MEWBE01 - Essential Cooling Water Heat Exchanger "B"	Perform Base Metal Repairs	4/18/2013	WO# 3599932
3	1MDGAE04 - Lube Oil Cooler	Weld repair corroded areas on divider plate	3/2/2013	WO# 3909135
3	1MDGAE01A - DG A Air Intercooler A	Weld repair upper waterbox of intercooler	3/2/2013	WO# 3915886
3	1MDGAE05 - JACKET WATER COOLER	Weld repair corroded areas on divider plate	3/2/2013	WO# 3987014
2	1PSGEV005 - SIG #2 Economizer Feed Header Check Valve	Add counter weight to disc/remove web cracks	4/22/2013	WO# 4018315
1	1MRCEE01A - SG1 hot leg	Install westinghouse mechanical plugs in SG1 hot leg	4/19/2013	WO# 4373281
1	1MRCEE01A - SG1 cold leg	Install westinghouse mechanical plugs in SG1 cold leg	4/19/2013	WO# 4373282
1	1MRCEE01B - SG2 hot leg	Install westinghouse mechanical plugs in SG2 hot leg	4/19/2013	WO# 4373283
1	1MRCEE01B - SG2 cold leg	Install westinghouse mechanical plugs in SG2 cold leg	4/19/2013	WO# 4373284
3	1PSPBL030 - ESP PP SP8P01 TO ESS & DGHT EXCH DGB/EWB-E01	Remove indication from pipe wall	4/8/2013	WO# 4378944
3	1PSPBL025 - ESS & DG HT EXCH DGB/EWB-E01 TO TRAIN B SPRAY POND	Blend identified defects	4/18/2013	WO# 4381803