



102-07288-TNW/CJS  
June 24, 2016

**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, Third Period:  
Owner's Activity Report Number U1R19**

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 19 (U1R19). The outage ended on May 14, 2016.

No commitments are being made to the NRC by this letter. Should you need further information regarding this submittal, please contact Michael D. Dilorenzo, Regulatory Affairs Department Leader, at (623) 393-3495.

Sincerely,

Thomas N. Weber  
Department Leader, Regulatory Affairs

TNW/CJS

Enclosure: Unit 1 Nineteenth Refueling Outage Owner's Activity Report, Report  
U1R19

|     |               |   |
|-----|---------------|---|
| cc: | M. L. Dapas   | NRC Region IV Regional Administrator    |
|     | S. P. Lingam  | NRC NRR Project Manager for PVNGS       |
|     | M. M. Watford | NRC NRR Project Manager                 |
|     | C. A. Peabody | NRC Senior Resident Inspector for PVNGS |

A member of the **STARS** (Strategic Teaming and Resource Sharing) Alliance

Callaway • Diablo Canyon • Palo Verde • Wolf Creek

**ENCLOSURE**

**Unit 1**

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

**Report U1R19**

## FORM OAR-1 OWNER'S ACTIVITY REPORT

Report Number: 1R19

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.: R19  
(if applicable)

Current inspection interval IWB, IWC, IWD, IWF = 3rd, IWE, IWL = 2nd  
(1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup>, 4<sup>th</sup>, other)

Current inspection period IWB, IWC, IWD, IWF, IWE = 3rd IWL = 2nd  
(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 = 11/12/14 R4, Press Tests = 3/19/14 R4 IWE = 9/23/15 R1 IWL = 8/26/15 R3

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

Code Cases used: N-532-4, N-733

(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 U1R19 conform to the requirements of Section XI.  
(refueling outage number)

**Lehman, William T(Z60076)**

Signed \_\_\_\_\_

Digitally signed by Lehman, William T(Z60076)

DN: cn=Lehman, William T(Z60076)

Reason: I am the author of this document

Date: 2016.06.14 12:08:35 -07'00'

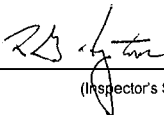
Date: \_\_\_\_\_

### CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Arizona and employed by \* 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.

\*THE HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY OF CONNECTICUT

  
(Inspector's Signature)

Commissions \_\_\_\_\_

N.B. 9685 "A,N,I,C" Az 264

National Board, State, Province, and Endorsements

Date: Jun 14, 2016

Palo Verde Nuclear Generating Station  
 Owners Activity Report - Unit 1 Refueling Outage 19  
 Table 1  
 Items with flaws or relevant conditions that  
 required evaluation for continued service

| Examination<br>Category | Item<br>Number | Description<br>of Work | Evaluation<br>Description |
|-------------------------|----------------|------------------------|---------------------------|
| NONE                    | NONE           | NONE                   | NONE                      |

Palo Verde Nuclear Generating Station  
Owners Activity Report - Unit 1 Refueling Outage 19

Table 2

Abstract of repair/replacement activities  
required for continued service

| Code Class | Item Description | Description of Work                      | Date Completed | Repair/Replacement Plan Number |
|------------|------------------|--|----------------|--------------------------------|
| 1          | 1JRCETW0121Y     | seal weld for RTD nozzle                 | 05/06/16       | 4764314 / 0                    |
| 1          | 1JRCETW0121Y     | Install MNSA CC N-733                    | 05/12/16       | 4764314 / 3                    |
| 1          | 1MRCEE01A        | Hot leg tube plugs                       | 05/04/16       | 4737273 / 0                    |
| 1          | 1MRCEE01A        | Cold Leg tube plugs                      | 05/04/16       | 4737274 / 0                    |
| 1          | 1MRCEE01B        | Hot leg tube plugs                       | 05/04/16       | 4737272 / 0                    |
| 1          | 1MRCEE01A        | Cold Leg tube plugs                      | 05/04/16       | 4737275 / 0                    |
| 1          | 1CH026H00L       | Snubber replaced                         | 05/02/16       | 4764673 / 0                    |
| 2          | 1MCHNE02         | Repair Divider Plate                     | 05/05/16       | 4769814 / 0                    |
| 2          | 1JSIBUV0616      | Body to Bonnet Seal Weld Repair          | 05/07/16       | 4774367 / 0                    |
| 2          | 1SI107H012       | Snubber replaced                         | 02/16/16       | 4625803 / 0                    |
| 2          | 1PSGEL008        | Piping Replacement FAC                   | 05/12/16       | 4629309 / 0                    |
| 3          | 1PSPBL025        | Pipe Cap replaced for corrosion          | 04/25/16       | 4385102 / 0                    |
| 3          | 1PSPAL098        | Replaced for corrosion                   | 03/04/16       | 4581287 / 1                    |
| 3          | 1PSPAL099        | Replaced for corrosion                   | 03/04/16       | 4581288 / 1                    |
| 3          | 1MDGAE04         | Replaced piping for corrosion            | 03/04/16       | 4581902 / 1                    |
| 3          | 1PSPAL100        | Replaced piping for corrosion            | 03/04/16       | 4581910 / 1                    |
| 3          | 1MEWBE01         | Weld Repair EW htexch for corrosion      | 04/25/16       | 4609961 / 0                    |
| 3          | 1MDGAE01A        | Weld Repair of intercooler for corrosion | 03/04/16       | 4703682 / 0                    |
| 3          | 1MDGAE01A/B      | Weld Repair of spools 5,6,7,8            | 03/04/16       | 4703682 / 0                    |
| 3          | 1MDGAE01B        | Weld Repair of intercooler for corrosion | 03/04/16       | 4703682 / 0                    |
| 3          | 1MDGAE04         | Weld Repair of LO cooler for corrosion   | 03/04/16       | 4703682 / 0                    |
| 3          | 1MDGAE05         | Weld Repair of JW cooler for corrosion   | 03/04/16       | 4703682 / 0                    |
| 3          | 1PSPBL025        | Weld Repair of piping for corrosion      | 04/25/16       | 4766449 / 0                    |