



102-08313-TNW/MSC
July 16, 2021

**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 Unit 3
Docket No. STN 50-530
Fourth 10-Year Interval, First Period
Owner's Activity Report Number 3R22**

Pursuant to Title 10 of the Code of Federal Regulations 50.55a and in accordance with the American Society of Mechanical Engineers Boiler and Pressure Vessel Code Case N-532-5, *Repair/Replacement Activity Documentation Requirements and Inservice Inspection Summary Report Preparation and Submission Section XI, Division 1*, Arizona Public Service Company hereby submits the Owner's Activity Report (Form OAR-1) for Unit 3 refueling outage 22 (3R22). The outage ended on May 18, 2021.

No commitments are being made to the NRC by this letter. Should you have any questions concerning the content of this letter, please contact Matthew S. Cox, Licensing Section Leader, at (623) 393-5753.

Sincerely,

Weber, Thomas Digitally signed by Weber,
N(Z00499) Thomas N(Z00499)
Date: 2021.07.16 17:06:28
-07'00'

Thomas N. Weber
Director Nuclear Regulatory Affairs

TNW/MSC/mg

Enclosure: Unit 3 Twenty-Second Refueling Outage Owner's Activity Report, Report 3R22

cc: S. A. Morris NRC Region IV Regional Administrator
S. P. Lingam NRC NRR Project Manager for PVNGS
L. N. Merker NRC Senior Resident Inspector for PVNGS

ENCLOSURE

Unit 3

**Twenty-Second Refueling Outage Owner's Activity
Report**

Report 3R22

FORM OAR-1 OWNER'S ACTIVITY REPORT

Report Number: 3R22

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

Unit No.: 3 Commercial service date: Jan 8, 1988 Refueling Outage No.: 22
(if applicable)

Current inspection interval IWB, IWC, IWD, IWF = 4th / IWE = 3rd / IWL = 2nd / S.P.T. = 4th
(1st, 2nd, 3rd, 4th, other)

Current inspection period IWB, IWC, IWD, IWF = 1st / IWE = 2nd / IWL = 2nd / S.P.T. = 1st
(1st, 2nd, 3rd)

Edition and Addenda of Section XI applicable to the inspection plans 2013 Edition (IWE and IWL=2007 Ed., '08 Ad.)

Date and revision of inspection plans ISI=4/09/21 R1, IWE=10/3/18 R0, IWL=8/8/18 R4, SPT=6/21/18 R0

Edition and Addenda of Section XI applicable to repair/replacement activities, if different than the inspection plans 2013 Edition

Code Cases used for inspection and evaluation:
N-532-5, N-722-1, N-716-1, N-845
(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 U3R22 conform to the requirements of Section XI.
(refueling outage number)

Signed Folley, Roy C(Z07131) Digitally signed by Folley, Roy C(Z07131)
Date: 2021.07.14 18:03:59 -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 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.

Hogstrom, Robert (YH2450) Digitally signed by Hogstrom, Robert (YH2450)
Date: 2021.07.14 18:06:34 -07'00' * The Hartford Steam Boiler Inspection and Insurance Company
Commissions N.B. 9685 "C, I, N, R"
(Inspector's Signature) National Board, State, Province, and Endorsements

Date: Jul 14, 2021

Table 1

Items with Flaws or Relevant Conditions That Required Evaluation for Continued Service

| Examination Category and Item Number | Item Description | Evaluation Description |
|--------------------------------------|------------------|------------------------|
| None | None | None |

Table 2

Abstract of Repair/Replacement Activities Required for Continued Service

| Code Class | Component ID | Description of Work | Date Complete | Repair/Replacement Plan number |
|------------|-----------------|--|---------------|--------------------------------|
| 1 | 3MRCEE01A | INSTALL WESTINGHOUSE MECHANICAL PLUGS IN HOT LEG | 5/05/2021 | 5302277 |
| 1 | 3MRCEE01A | INSTALL WESTINGHOUSE MECHANICAL PLUGS IN COLD LEG | 5/05/2021 | 5302280 |
| 1 | 3MRCEE01B | INSTALL WESTINGHOUSE MECHANICAL PLUGS IN HOT LEG | 5/05/2021 | 5302279 |
| 1 | 3MRCEE01B | INSTALL WESTINGHOUSE MECHANICAL PLUGS IN COLD LEG | 5/05/2021 | 5302278 |
| 3 | 3MDGBE01A/B | EDG INTERCOOLER CROSS CONNECT SPOOLS (5,6,7,8) WELD REPAIR OF CORRODED AREAS | 3/26/2021 | 5200271 |
| 3 | 3MDGAE01A | EDG A INTERCOOLER A WELD REPAIR OF CORRODED AREAS | 5/05/2021 | 5193959 |
| 3 | 3MDGAE01B | EDG A INTERCOOLER B WELD REPAIR OF CORRODED AREAS | 5/05/2021 | 5193959 |
| 3 | 3MDGBE01A | EDG B INTERCOOLER A WELD REPAIR OF CORRODED AREAS | 3/26/2021 | 5200271 |
| 3 | 3MDGBE01B | EDG B INTERCOOLER B WELD REPAIR OF CORRODED AREAS | 3/26/2021 | 5200271 |
| 3 | 3MDGAE05 | EDG A JACKET WATER COOLER WELD REPAIR OF CORRODED AREAS | 5/05/2021 | 5193959 |
| 3 | 3MDGBE05 | EDG B JACKET WATER COOLER WELD REPAIR OF CORRODED AREAS | 3/26/2021 | 5200271 |
| 3 | 3MDGAE04 | EDG A LUBE OIL COOLER WELD REPAIR OF CORRODED AREAS | 5/05/2021 | 5193959 |
| 3 | 3MDGBE04 | EDG B LUBE OIL COOLER WELD REPAIR OF CORRODED AREAS | 3/26/2021 | 5200271 |
| 3 | 3MEWAE01 | ECWS HEAT EXCHANGER PERFORM BASE METAL REPAIRS | 5/05/2021 | 5206929 |
| 3 | 3PSPBL032A S015 | ESS SPRAY POND SPBP01 TO JACKET WATER COOLER PERFORM BASE METAL REPAIR, DUE TO DEGRADED COATINGS | 3/26/2021 | 5200270 |
| | | | | |

Table 2

Abstract of Repair/Replacement Activities Required for Continued Service

| Code Class | Component ID | Description of Work | Date Complete | Repair/Replacement Plan number |
|------------|---------------------------------------|--|---------------|--------------------------------|
| 3 | 3PSPBL105 S001 | ESS SPRAY POND SPBP01 TO AIR AFTERCOOLERS HEAT EXCHANGER PERFORM BASE METAL REPAIR OF SPOOL | 3/26/2021 | 5200270 |
| 3 | 3PSPAL080B | ESP SPRAY POND SPAP01 TO DGA-E01 COOLING WTR HT EXCHANGER WELD REPAIR PIPE SPOOL | 5/05/2021 | 5193958 |
| 3 | 3PSPBL049A S001 | DG CLG WTR HT EXCH DGB-E01 FROM SPRAY POND TRAIN B PERFORM BASE METAL REPAIR OF SPOOL | 3/26/2021 | 5200270 |
| 3 | 00142968, 00142969, 00142970, 0015177 | 3A DG INTERCOOLER CROSS UNDER SPOOLS 5,6,7,8 PERFORM BASE METAL REPAIRS | 3/04/2021 | 5309868 |
| 3 | 00159669, 00159670, 00159671 | 3B INTERCOOLER SPOOLS 5,6,7 PERFORM BASE METAL REPAIR | 3/18/2021 | 5309863 |
| 3 | 3JSPBPSV0138 | DG B LUBE OIL COOLER OUTLET RELIEF VALVE REPLACE PSV. EXISTING VALVE FAILED AS-FOUND SET PRESSURE TEST | 3/26/2021 | 5200259 |
| 3 | 3PC022H015 | LOOSE BOLT IDENTIFIED ON CLAMP | 4/21/2021 | 5334930 |