



A subsidiary of Pinnacle West Capital Corporation

Palo Verde Nuclear
Generating Station

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March 11, 2004
035-00721-DMS

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

Dear Sirs:

**Subject: Palo Verde Nuclear Generating Station (PVNGS)
Units 1, 2, and 3
Docket Nos. STN 50-528/529/530
Monthly Operating Reports for FEBRUARY 2004**

Enclosed are the Monthly Operating Reports for FEBRUARY 2004, prepared and submitted pursuant to Specification 5.6.4 of Appendix A, (Technical Specifications) to the PVNGS Units 1, 2, and 3 Operating Licenses.

By copy of this letter, Arizona Public Service Company is also forwarding the Monthly Operating Reports to the Regional Administrator, NRC Region IV and the NRC Resident Inspector.

If you have any questions, please contact Don Vogt at (623) 393-5926.

Sincerely,

DMS/ap

Enclosures: FEBRUARY 2004 Monthly Operating Reports

cc: (all w/enclosures)
Dr. Bruce S. Mallett - Regional Administrator, NRC Region IV
PVNGS Resident Inspector
INPO Records Center
Utility Data Institute

JE24

OPERATING DATA REPORT

DOCKET NO. 50-528
UNIT NAME Palo Verde 1
DATE March 11, 2004
COMPLETED BY Don Vogt
TELEPHONE (623) 393-5926

REPORTING PERIOD: February 2004

1.	Design Electrical Rating	<u>1,265.00</u>		
2.	Maximum Dependable Capacity (MWe-Net)	<u>1,243.00</u>		
		<u>This Month</u>	<u>Yr-to-Date</u>	<u>Cumulative</u>
3.	Number of Hours the Reactor was Critical	<u>606.30</u>	<u>1,350.30</u>	<u>124,132.22</u>
4.	Number of Hours Generator On-line	<u>591.50</u>	<u>1,335.50</u>	<u>122,724.53</u>
5.	Reserve Shutdown Hours	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
6.	Net Electrical Energy Generated (MWHrs)	<u>719,052.17</u>	<u>1,653,858.95</u>	<u>147,909,549.2</u>

UNIT SHUTDOWNS

No.	Date	Type F: Forced S: Scheduled	Duration (Hours)	Reason 1	Method of Shutting Down 2	Cause & Corrective Action Comments
04-01	02/03/2004	F	104.50	A	1	Manually shutdown the unit due to a socket weld leak on the RCS pressure boundary upstream of valve SIA-V056.

SUMMARY: The unit began month in Mode 1 with RX power at 99.11%. On 02/03/04 an RCS pressure boundary was discovered and the unit commenced a controlled downpower to 20%. The RX was manually tripped at 20% per RX shutdown procedure. After repair the unit went critical on 02/07/04 and the main generator was synchronized on 02/08/04. Full RX power was reached on 02/09/04. The unit ended the month in Mode 1 with RX power at 99.02%

1

Reason:

- A Equipment Failure (Explain)
- B Maintenance or Test
- C Refueling
- D Regulatory Restriction
- E Operator Training & License Examination
- F Administration
- G Operational Error (Explain)
- H Other (Explain)

2

Method:

- 1 Manual
- 2 Manual Trip/Scram
- 3 Automatic Trip/Scram
- 4 Continuation
- 5 Other (Explain)

OPERATING DATA REPORT

DOCKET NO. 50-529
UNIT NAME Palo Verde 2
DATE March 11, 2004
COMPLETED BY Don Vogt
TELEPHONE (623) 393-5926

REPORTING PERIOD: February 2004

1. Design Electrical Rating	1,265.00		
2. Maximum Dependable Capacity (MWe-Net)	1,243.00		
	<u>This Month</u>	<u>Yr-to-Date</u>	<u>Cumulative</u>
3. Number of Hours the Reactor was Critical	450.38	1,194.38	121,983.64
4. Number of Hours Generator On-line	450.38	1,194.38	120,583.90
5. Reserve Shutdown Hours	0.00	0.00	0.00
6. Net Electrical Energy Generated (MWHrs)	603,445.57	1,610,103.35	146,998,196.2

UNIT SHUTDOWNS

No.	Date	Type F: Forced S: Scheduled	Duration (Hours)	Reason 1	Method of Shutting Down 2	Cause & Corrective Action Comments
04-01	02/19/2004	F	245.62	A	1	Manually tripped RX per shutdown procedure at 20% power due to SG#1 tube leak.

SUMMARY: The unit began month in Mode 1 with RX power at 99.87%. On 02/19/04 a small tube leak was detected on SG#1 and the unit commenced a controlled downpower to 20%. The RX was manually tripped at 20% per RX shutdown procedure and the unit was cooled down to Mode 5 for cause analysis and plugging of the affected tube. The unit ended month in Mode 5. Unit was uprated during the last refueling outage. Unit capacity appears to have increased by approximately 92 MW, however, previous values of Design Electrical Rating and Maximum Dependable Capacity will continue to be used until new capacity values are determined.

1

- Reason:**
- A Equipment Failure (Explain)
 - B Maintenance or Test
 - C Refueling
 - D Regulatory Restriction
 - E Operator Training & License Examination
 - F Administration
 - G Operational Error (Explain)
 - H Other (Explain)

2

- Method:**
- 1 Manual
 - 2 Manual Trip/Scram
 - 3 Automatic Trip/Scram
 - 4 Continuation
 - 5 Other (Explain)

OPERATING DATA REPORT

DOCKET NO. 50-530
UNIT NAME Palo Verde 3
DATE March 11, 2004
COMPLETED BY Don Vogt
TELEPHONE (623) 393-5926

REPORTING PERIOD: February 2004

1. Design Electrical Rating	<u>1,269.00</u>		
2. Maximum Dependable Capacity (MWe-Net)	<u>1,247.00</u>		
	<u>This Month</u>	<u>Yr-to-Date</u>	<u>Cumulative</u>
3. Number of Hours the Reactor was Critical	<u>656.73</u>	<u>1,400.73</u>	<u>119,364.03</u>
4. Number of Hours Generator On-line	<u>655.63</u>	<u>1,399.63</u>	<u>118,311.00</u>
5. Reserve Shutdown Hours	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
6. Net Electrical Energy Generated (MWHrs)	<u>832,763.41</u>	<u>1,778,827.86</u>	<u>144,840,695.8</u>

UNIT SHUTDOWNS

No.	Date	Type F: Forced S: Scheduled	Duration (Hours)	Reason 1	Method of Shutting Down 2	Cause & Corrective Action Comments
04-01	02/28/2004	F	40.37	A	1	Automatic turbine trip on loss of generator field due to an excitation control system failure. Following turbine trip the RX was manually shutdown.

SUMMARY: The unit began the month in Mode 1 with RX power at 98.60%. On 02/28/04 the main turbine generator tripped, immediately followed by an automatic RX power cutback. The cause of the turbine trip was the loss of the generator field due to an excitation control failure. The unit commenced a downpower to 20% to troubleshoot the excitation problem. The RX was manually tripped at 20% per RX shutdown procedure. On 02/29/04 during a walkdown of the RCS a small leak was found at one of the pressurizer heater sleeves. The unit commenced a cool down to Mode 5 and ended the month in Mode 4.

1

Reason:

- A Equipment Failure (Explain)
- B Maintenance or Test
- C Refueling
- D Regulatory Restriction
- E Operator Training & License Examination
- F Administration
- G Operational Error (Explain)
- H Other (Explain)

2

Method:

- 1 Manual
- 2 Manual Trip/Scram
- 3 Automatic Trip/Scram
- 4 Continuation
- 5 Other (Explain)