

# CATEGORY 1

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SUBJECT: Monthly operating repts for Feb 1998 for Palo Verde Nuclear  
Generating Station, Units 1, 2 & 3. W/980311 ltr.

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Standardized plant.      05000529

Standardized plant.      05000530O

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March 11, 1998

U. S. Nuclear Regulatory Commission  
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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 1998**

Enclosed are the Monthly Operating Reports for February 1998, prepared and submitted pursuant to Specification 6.9.1.6 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.

If you have any questions, please contact Judy Fulton at (602) 250-3549.

Sincerely,

GRO/JDF/clj

Enclosures: FEBRUARY 1998 Monthly Operating Reports

cc: E. W. Merschoff (all w/enclosures)  
K. E. Perkins  
INPO Records Center  
Utility Data Institute

IE2411

9803180009 980228  
PDR ADOCK 05000528  
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# NRC MONTHLY OPERATING DATA REPORT

DOCKET NO.: 50-528  
 UNIT NAME: PVNGS-1  
 DATE: 3/11/98  
 COMPLETED BY: J. D. Fulton  
 TELEPHONE: (602) 250-3549

Reporting Period: February 1998

1. Design Electrical Rating (Net MWe): 1265
2. Maximum Dependable Capacity (Net MWe): 1243

	Unit 1 Generating Statistics	This Month	Yr. to Date	Cumulative
3.	Hours Reactor was Critical	642.8	1,386.8	75,383.1
4.	Hours Generator was On-Line	613.3	1,357.3	74,168.4
5.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
6.	Net Electrical Energy Generated (MWh)	724,284	1,658,232	87,861,500

## UNIT SHUTDOWNS

No.	Date	Type <sup>1</sup>	Outage Duration Hours	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Cause and Corrective Action to Prevent Occurrence
98-01	2/22/98	F	58.7	A	3	Rx tripped on low level in SG#2 when economizer valve drifted closed due to an abnormality in feedwater control system.

<sup>1</sup>F-Forced  
S-Scheduled

<sup>2</sup>Reason:  
 A-Equipment Failure (Explain)  
 B-Maintenance or Test  
 C-Refueling  
 D-Regulatory Restriction  
 E-Operator Training / License Examination  
 F-Administrative  
 G-Operational Error (Explain)  
 H-Other (Explain)

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

**SUMMARY:** The reactor tripped on low steam generator water level following spurious closing of the economizer regulating valve. Failure of the dynamic compensator card in the compensated level signal circuitry which is an input to the feedwater control system 2 (FWCS-2) master controller caused the partial closure.







# NRC MONTHLY OPERATING DATA REPORT

DOCKET NO.: 50-529  
 UNIT NAME: PVNGS-2  
 DATE: 3/11/98  
 COMPLETED BY: J. D. Fulton  
 TELEPHONE: (602) 250-3549

Reporting Period: February 1998

1. Design Electrical Rating (Net MWe): 1265
2. Maximum Dependable Capacity (Net MWe): 1243

	Unit 2 Generating Statistics	This Month	Yr. to Date	Cumulative
3.	Hours Reactor was Critical	672.0	1,416.0	74,841.7
4.	Hours Generator was On-Line	672.0	1,416.0	73,648.8
5.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
6.	Net Electrical Energy Generated (MWh)	854,257	1,801,268	88,230,827

## UNIT SHUTDOWNS

No.	Date	Type <sup>1</sup>	Outage Duration Hours	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Cause and Corrective Action to Prevent Occurrence
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No reactor shutdowns occurred during the month of February 1998.

<sup>1</sup>F-Forced  
S-Scheduled

<sup>2</sup>Reason:  
 A-Equipment Failure (Explain)  
 B-Maintenance or Test  
 C-Refueling  
 D-Regulatory Restriction  
 E-Operator Training / License Examination  
 F-Administrative  
 G-Operational Error (Explain)  
 H-Other (Explain)

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

SUMMARY: \_\_\_\_\_  
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# NRC MONTHLY OPERATING DATA REPORT

DOCKET NO.: • 50-530  
 UNIT NAME: PVNGS-3  
 DATE: 3/11/98  
 COMPLETED BY: J. D. Fulton  
 TELEPHONE: (602) 250-3549

Reporting Period: February 1998

1. Design Electrical Rating (Net MWe): 1269
2. Maximum Dependable Capacity (Net MWe): 1247

	Unit 3 Generating Statistics	This Month	Yr. to Date	Cumulative
3.	Hours Reactor was Critical	672.0	1,416.0	70,741.7
4.	Hours Generator was On-Line	672.0	1,416.0	69,915.6
5.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
6.	Net Electrical Energy Generated (MWh)	840,683	1,770,961	84,523,932

## UNIT SHUTDOWNS

No.	Date	Type <sup>1</sup>	Outage Duration Hours	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Cause and Corrective Action to Prevent Occurrence
No reactor shutdowns occurred during the month of February 1998.						

<sup>1</sup>F-Forced  
S-Scheduled

<sup>2</sup>Reason:  
 A-Equipment Failure (Explain)  
 B-Maintenance or Test  
 C-Refueling  
 D-Regulatory Restriction  
 E-Operator Training / License Examination  
 F-Administrative  
 G-Operational Error (Explain)  
 H-Other (Explain)

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

SUMMARY: \_\_\_\_\_

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