

NRC MONTHLY OPERATING REPORT

DOCKET NO. 50-528
 UNIT NAME PVNGS-1
 DATE 04/08/86
 COMPLETED BY J.M. Barkdoll
 TELEPHONE 602-932-5300
Ext. 6593

OPERATING STATUS

1. Unit Name: Palo Verde Nuclear Generating Station, Unit 1
2. Reporting Period: March 1986
3. Licensed Thermal Power (Mwt): 3800
4. Nameplate Rating (Gross MWe): 1403
5. Design Electrical Rating (Net MWe): 1270
6. Maximum Dependable Capacity (Gross MWe): 1282
7. Maximum Dependable Capacity (Net MWe): 1200
8. If Changes Occur In Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons: _____
9. Power Level To Which Restricted, If Any (Net MWe): NONE
10. Reasons For Restrictions, If Any: _____

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	___744___	___1128___	___1128___
12. Number Of Hours Reactor Was Critical	___163___	___547___	___547___
13. Reactor Reserve Shutdown Hours	___0___	___0___	___0___
14. Hours Generator On-Line	___163___	___547___	___547___
15. Unit Reserve Shutdown Hours	___0___	___0___	___0___
16. Gross Thermal Energy Generated (MWH)	___566,400___	2,012,800	2,012,800
17. Gross Electrical Energy Generated (MWH)	___189,700___	___689,400___	___689,400___
18. Net Electrical Energy Generated (MWH)	___172,288___	___642,752___	___642,752___
19. Unit service Factor	___21.91___	___48.49___	___48.49___
20. Unit Availability Factor	___21.91___	___48.49___	___48.49___
21. Unit Capacity Factor (Using MDC Net)	___19.30___	___47.48___	___47.48___
22. Unit Capacity Factor (Using DER Net)	___18.23___	___44.87___	___44.87___
23. Unit Forced Outage Rate	___0___	___0___	___0___
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):	<u>Surveillance Test Outage - 3/86, 49 days</u>		
25. If Shutdown At End Of Report Period, Estimated Date of Startup:	<u>5/86</u>		
26. Units In Test Status (Prior To Commercial Operation):			

	Forecast	Achieved
INITIAL CRITICALITY	___5/85___	___5/25/85___
INITIAL ELECTRICITY	___6/85___	___6/10/85___
COMMERCIAL OPERATION	___11/85___	___2/13/86___

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AVERAGE DAILY UNIT POWER LEVEL

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MONTH: March 1986

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1 812
2 953
3 1,220
4 1,224
5 1,228
6 1,245
7 783
8 (12)
9 (12)
10 (12)
11 (12)
12 (12)
13 (12)
14 (12)
15 (12)
16 (12)

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17 (12)
18 (12)
19 (12)
20 (12)
21 (12)
22 (12)
23 (12)
24 (12)
25 (12)
26 (12)
27 (12)
28 (12)

REFUELING INFORMATION

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1. Scheduled date for next refueling shutdown.

03/13/87

2. Scheduled date for restart following refueling.

04/19/87

3. Will refueling or resumption of operation thereafter require a Technical Specification change or other license amendment?

Not Yet Determined
What will these be?

Not Yet Determined

4. Scheduled date for submitting proposed licensing action and supporting information.

Not Yet Determined

5. Important Licensing considerations associated with refueling, e.g. new or different fuel design or supplier, unreviewed design or performance analysis methods, significant changes in fuel design, new operating procedures.

Not Yet Determined

6. The number of fuel assemblies.

a) In the core. 241

b) In the spent fuel storage pool. 0

7. Licensed spent fuel storage capacity. 1329

Intended change in spent fuel storage capacity. None

8. Projected date of last refueling that can be discharged to spent fuel storage pool assuming present capacity.

2002 (w/annual reloads and full core discharge capability).

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

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03/01 0700 Rx power at 94% Main Generator at 1254 MWe.

03/01 1200 Commenced power reduction to 40% due to Steam Generator Chemistry.

03/01 1415 Rx power 40%.

03/02 0545 Commenced power increase to 65%.

03/02 0622 Rx power at 65%.

03/02 0935 Rx power at 94.5% and Main Generator at 1210 MWe.

03/02 1225 Rx power at 99.5%.

03/04 0730 Rx power reached 108% on CPCs and 103% on Excore Power. Turbine load dropped 300 MWe, both Feedpump Lo Suction Pressure Trip Alarms were received. Cause is suspected to be the shorting of the 15VDC Power Supply on the #1 Steam Generator Steam Flow/Feed Flow Recorder while sliding Recorder into the Control Board. The transient was terminated shortly after the short occurred when a fuse blew isolating the short from the instrumentation buss.

03/06 0849 Rx power at 99.46% Main Generator at 1311 MWe.

03/07 Commenced planned Unit shutdown.

03/07 1856 Tripped Main Turbine manually to reduce power.

03/07 1857 Rx trip on low Steam Generator level.

03/09 1807 Entered Mode 4.

03/10 0316 Entered Mode 5.

03/10 Plant is shutdown due to Surveillance Test Outage.

UNIT SHUTDOWNS AND POWER REDUCTIONS

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No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	LER No.	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
1	03/01/86	F	0	H	5	N/A	SJ	N/A	Reduction in power due to Steam Generator Chemistry.
2	03/07/86	F	581	A	3	1-86-018-00	SJ	PMC	Reactor trip on low S/G level.

¹
 F-Forced
 S-Scheduled

²
 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)

³
 Method:
 1-Manual
 2-Manual Scram.
 3-Automatic Scram.
 4-Continuation from
 Previous Month
 5-Reduction of 20%
 or Greater in the
 Past 24 Hours
 9-Other (Explain)

⁴
 Exhibit F - Instructions
 for Preparation of Data
 Entry Sheets for Licensee
 Event Report (LER) File
 (NUREG 0161)

⁵
 Exhibit H-Same Source



Arizona Nuclear Power Project

P.O. BOX 52034 • PHOENIX, ARIZONA 85072-2034

April 15, 1986
ANPP-36148-EEVB/PGN/98.05

Mr. Ronald M. Scroggins, Director
Office of Resource Management
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Subject: Palo Verde Nuclear Generating Station (PVNGS)
Unit 1
Docket No. STN 50-528 (License NPF-41)
March Monthly Operating Report
File: 86-024-404

Dear Mr. Scroggins:

Attached please find the March, 1986, Monthly Operating Report prepared and submitted pursuant to Specification 6.9.1.6 of Appendix A (Technical Specifications) to the Palo Verde Nuclear Generating Station, Unit 1 Operating License. By copy of this letter, we are also forwarding a copy of the Monthly Operating Report to the Regional Administrator of the Region V office.

If you have any questions, please contact me.

Very truly yours,

E. E. Van Brunt, Jr.
Executive Vice President
Project Director

EEVB/PGN/rw
Attachments

cc: J. B. Martin (all w/a)
R. P. Zimmerman
E. A. Licitra
A. C. Gehr
INPO Records Center

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