

ENCLOSURE 1

MONTHLY OPERATING REPORTS
FOR JUNE 1995

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NRC MONTHLY OPERATING REPORT

DOCKET NO. 50-528
 UNIT NAME PVNGS-1
 DATE 07/12/95
 COMPLETED BY J. D. Fulton
 TELEPHONE (602) 393-5277

OPERATING STATUS

1. Unit Name: Palo Verde Nuclear Generating Station, Unit 1
2. Reporting Period: June 1995
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): 1303
7. Maximum Dependable Capacity (Net MWe): 1221
8. If Changes Occur In Capacity Ratings (Item Numbers 3 Through 7)
Since Last Report, Give Reasons: N/A
9. Power Level to Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any: N/A

	Unit 1 Generating Statistics	This Month	Yr. to Date	Cumulative
11.	Hours In Reporting Period	720	4,344	82,584
12.	Hours Reactor was Critical	720.0	3,010.3	53,643.1
13.	Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14.	Hours Generator was On-Line	711.7	2,950.2	52,606.8
15.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
16.	Gross Thermal Energy Generated (MWH)	2,522,346	10,646,782	189,728,800
17.	Gross Electrical Energy Generated (MWH)	859,400	3,660,800	65,707,300
18.	Net Electrical Energy Generated (MWH)	808,327	3,432,736	61,663,642
19.	Unit Service Factor (%)	98.8%	67.9%	63.7%
20.	Unit Availability Factor (%)	98.8%	67.9%	63.7%
21.	Unit Capacity Factor (Using MDC Net)	91.9%	64.7%	61.2%
22.	Unit Capacity Factor (Using DER Net)	88.4%	62.2%	58.8%
23.	Unit Forced Outage Rate (%)	1.2%	1.1%	12.9%

24. Shutdowns Scheduled Over Next 6 Months (Type, Date and Duration of Each): N/A

25. If Shutdown At End of Report Period, Estimated Date of Start-up: N/A

	Forecast	Achieved
INITIAL CRITICALITY	<u>05/85</u>	<u>05/25/85</u>
INITIAL ELECTRICITY	<u>06/85</u>	<u>06/10/85</u>
COMMERCIAL OPERATION	<u>11/85</u>	<u>01/28/86</u>

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-528
UNIT NAME PVNGS-1
DATE 07/12/95
COMPLETED BY J. D. Fulton
TELEPHONE (602) 393-5277

MONTH: June 1995

DAY	AVERAGE DAILY POWER LEVEL
1	84
2	638
3	824
4	832
5	853
6	1157
7	1227
8	1231
9	1227
10	1221
11	1230
12	1230
13	1219
14	1227
15	1229
16	1242

DAY	AVERAGE DAILY POWER LEVEL
17	1232
18	1232
19	1235
20	1225
21	1231
22	1225
23	1233
24	1225
25	1231
26	1225
27	1224
28	1230
29	1229
30	1227
31	

REFUELING INFORMATION

DOCKET NO.	<u>50-528</u>
UNIT NAME	<u>PVNGS-1</u>
DATE	<u>07/12/95</u>
COMPLETED BY	<u>J. D. Fulton</u>
TELEPHONE	<u>(602) 393-5277</u>

1. **Scheduled date for next refueling shutdown.**

The 6th refueling outage is scheduled to begin on 09/07/96.

2. **Scheduled date for restart following refueling.**

11/01/96.

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

No

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

5/20/96

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, and new operating procedures.**

None.

6. **The number of fuel assemblies.**

a) In the core. 241

b) In the spent fuel storage pool. 456

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.**

2005 (18 Month reloads and full core discharge capability).

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

DOCKET NO. 50-528
UNIT NAME PVNGS-1
DATE 07/12/95
COMPLETED BY J. D. Fulton
TELEPHONE (602) 393-5277

June 1995

0601	0000	Unit began the month in Mode 1. Rx power at 13%. Performing Rx start-up.
0601	0817	Synchronized the generator to the grid.
0601	1855	Completed swap over, Rx power at 18%.
0601	2330	Commenced Rx power increase to 70%.
0602	1412	Rx power stabilized at 69%.
0604	0400	Testing completed at 70% Rx power, commenced Rx power increase to 100%.
0606	0423	Holding Rx power at 90% due to increasing sulfates indication in SG#1 & SG#2.
0606	1220	Commenced Rx power increase to 100%.
0606	1600	Rx power stabilized at 100%.
0630	2230	Rx power decreased to 99% due to MMIS pre-trip during Main start of stop valve testing, Tcold was at 555.5 deg. F, Rx power at 100%.
0630	2400	Unit ended the month in Mode 1 with Rx power at 99%, increasing to 100%.

SHUTDOWNS AND POWER REDUCTIONS
June 1995

DOCKET NO 50-528
UNIT NAME PVNGS-1
DATE 07/12/95
COMPLETED BY J. D. Fulton
TELEPHONE (602)393-6221

No.	Date	Type ¹	Outage Duration Hours	Reason ²	Method of Shutting Down Reactor ³	LER No.	System Code ⁴	Component Code ⁵	Cause and Corrective Action to Prevent Occurrence
95-02	05/30/95	F	8.3	A	3	N/A	N/A	N/A	Continuation of automatic reactor trip on SG #2 low level due to FWIV fast closing.

¹F-Forced
S-Scheduled

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

³Method:
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)

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

⁵Exhibit H-Same Source

NRC MONTHLY OPERATING REPORT

DOCKET NO. 50-529
 UNIT NAME PVNGS-2
 DATE 07/12/95
 COMPLETED BY J. D. Fulton
 TELEPHONE (602) 393-5277

OPERATING STATUS

1. Unit Name: Palo Verde Nuclear Generating Station, Unit 2
2. Reporting Period: June 1995
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): 1303
7. Maximum Dependable Capacity (Net MWe): 1221
8. If Changes Occur In Capacity Ratings (Item Numbers 3 Through 7)
Since Last Report, Give Reasons: N/A
9. Power Level to Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any: N/A

	Unit 2 Generating Statistics	This Month	Yr. to Date	Cumulative
11.	Hours In Reporting Period	720	4,344	76,968
12.	Hours Reactor was Critical	720.0	3,091.1	53,742.8
13.	Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14.	Hours Generator was On-Line	720.0	3,043.5	52,644.4
15.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
16.	Gross Thermal Energy Generated (MWH)	2,737,778	11,223,009	191,466,916
17.	Gross Electrical Energy Generated (MWH)	946,500	3,878,000	66,609,470
18.	Net Electrical Energy Generated (MWH)	898,634	3,640,492	62,334,387
19.	Unit Service Factor (%)	100.0%	70.1%	68.4%
20.	Unit Availability Factor (%)	100.0%	70.1%	68.4%
21.	Unit Capacity Factor (Using MDC Net)	102.2%	68.6%	66.3%
22.	Unit Capacity Factor (Using DER Net)	98.3%	66.0%	63.8%
23.	Unit Forced Outage Rate (%)	0.0%	0.0%	5.7%

24. Shutdowns Scheduled Over Next 6 Months (Type, Date and Duration of Each): N/A

25. If Shutdown At End of Report Period, Estimated Date of Start-up: N/A

	Forecast	Achieved
INITIAL CRITICALITY	<u>03/86</u>	<u>04/18/86</u>
INITIAL ELECTRICITY	<u>06/86</u>	<u>05/20/86</u>
COMMERCIAL OPERATION	<u>11/86</u>	<u>09/19/86</u>

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-529
UNIT NAME PVNGS-2
DATE 07/12/95
COMPLETED BY J. D. Fulton
TELEPHONE (602) 393-5277

MONTH: June 1995

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
1	1253	17	1256
2	1252	18	1258
3	1246	19	1256
4	1254	20	1255
5	1252	21	1256
6	1255	22	1256
7	1254	23	1254
8	1257	24	1250
9	1256	25	1251
10	1253	26	1250
11	1253	27	1249
12	1251	28	1248
13	1251	29	1249
14	1252	30	1251
15	1253	31	
16	1255		

REFUELING INFORMATION

DOCKET NO. 50-529
UNIT NAME PVNGS-2
DATE 07/12/95
COMPLETED BY J. D. Fulton
TELEPHONE (602) 393-5277

1. Scheduled date for next refueling shutdown.

The 6th refueling outage is scheduled for 03/16/96.

2. Scheduled date for restart following refueling.

05/10/96.

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

- a. Technical Specification change to Note 5 of Table 4.3-1 for the proposed installation of a cycle independent shape annealing matrix.

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

12/08/95.

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, and new operating procedures.

Stretch Power to 102%.

6. The number of fuel assemblies.

- a) In the core. 241
b) In the spent fuel storage pool. 384

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.

2005 (18 Month reloads and full core discharge capability).

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

DOCKET NO.	50-529
UNIT NAME	PVNGS-2
DATE	07/12/95
COMPLETED BY	J. D. Fulton
TELEPHONE	(602) 393-5277

June 1995

0601	0000	Unit began the month in Mode 1 at 100% Rx power
0630	2400	Unit ended the month in Mode 1 at 100% Rx power.

SHUTDOWNS AND POWER REDUCTIONS
June 1995

DOCKET NO 50-529
UNIT NAME PVNGS-2
DATE 07/12/95
COMPLETED BY J. D. Fulton
TELEPHONE (602)393-6221

No.	Date	Type ¹	Outage Duration Hours	Reason ²	Method of Shutting Down Reactor ³	LER No.	System Code ⁴	Component Code ⁵	Cause and Corrective Action to Prevent Occurrence
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No reactor shutdowns or significant power reductions occurred during the month of June, 1995.

¹F-Forced
S-Scheduled

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

³Method:
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)

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

⁵Exhibit H-Same Source

NRC MONTHLY OPERATING REPORT

DOCKET NO. 50-530
 UNIT NAME PVNGS-3
 DATE 07/12/95
 COMPLETED BY J. D. Fulton
 TELEPHONE (602) 393-5277

OPERATING STATUS

1. Unit Name: Palo Verde Nuclear Generating Station, Unit 3
2. Reporting Period: June 1995
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): 1303
7. Maximum Dependable Capacity (Net MWe): 1221
8. If Changes Occur In Capacity Ratings (Item Numbers 3 Through 7)
Since Last Report, Give Reasons: N/A
9. Power Level to Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any: N/A

	Unit 3 Generating Statistics	This Month	Yr. to Date	Cumulative
11.	Hours in Reporting Period	720	4,344	65,544
12.	Hours Reactor was Critical	720.0	4,344.0	49,358.0
13.	Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14.	Hours Generator was On-Line	720.0	4,344.0	48,691.5
15.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
16.	Gross Thermal Energy Generated (MWH)	2,700,614	16,392,005	178,168,938
17.	Gross Electrical Energy Generated (MWH)	939,200	5,700,500	62,232,200
18.	Net Electrical Energy Generated (MWH)	884,644	5,384,329	58,507,036
19.	Unit Service Factor (%)	100.0%	100.0%	74.3%
20.	Unit Availability Factor (%)	100.0%	100.0%	74.3%
21.	Unit Capacity Factor (Using MDC Net)	100.6%	101.5%	73.1%
22.	Unit Capacity Factor (Using DER Net)	96.7%	97.6%	70.3%
23.	Unit Forced Outage Rate (%)	0.0%	0.0%	5.7%

24. Shutdowns Scheduled Over Next 6 Months (Type, Date and Duration of Each): 5th Refueling Outage
scheduled to begin 10/14/95.

25. If Shutdown At End of Report Period, Estimated Date of Start-up: N/A

	Forecast	Achieved
INITIAL CRITICALITY	<u>07/87</u>	<u>10/25/87</u>
INITIAL ELECTRICITY	<u>07/87</u>	<u>11/28/87</u>
COMMERCIAL OPERATION	<u>09/87</u>	<u>01/08/88</u>

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-530
UNIT NAME PVNGS-3
DATE 07/12/95
COMPLETED BY J. D. Fulton
TELEPHONE (602) 393-5277

MONTH: June 1995

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
1	1249	17	1256
2	1248	18	1254
3	1250	19	1253
4	1248	20	1253
5	1078	21	1255
6	1065	22	1252
7	1135	23	1253
8	1259	24	1251
9	1259	25	1249
10	1255	26	1249
11	1251	27	1248
12	1251	28	1247
13	1251	29	1243
14	1251	30	1247
15	1251	31	
16	1252		

REFUELING INFORMATION

DOCKET NO.	50-530
UNIT NAME	PVNGS-3
DATE	07/12/95
COMPLETED BY	J. D. Fulton
TELEPHONE	(602) 393-5277

1. Scheduled date for next refueling shutdown.

The 5th refueling outage is scheduled to begin 10/14/95.

2. Scheduled date for restart following refueling.

12/23/95.

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

- a. Technical Specification change to Note 5 of Table 4.3-1 for the proposed installation of a cycle independent shape annealing matrix. (submitted 12/7/94 to NRC).
- b. Technical Specification change to revise list of analytical methods in 6.9.1.10.
- c. Technical Specification changes to Section 5, Design Features.
- d. Exemption to 10CFR50.44, 10CFR50.46, 10CFR50 App. K to allow use of one lead fuel assembly with fuel rods clad with advanced zirconium based alloy.

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

Submittal is planned for July 21, 1995 to revise the list of analytical methods in Technical Specification 6.9.1.10.

Submittal is planned for August 18, 1995 to revise Technical Specification Section 5.

Submittal is planned for September 15, 1995 to request 10CFR50 exemptions.

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, and new operating procedures.

None.

6. The number of fuel assemblies.

- a) In the core. 241
- b) In the spent fuel storage pool. 380

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.

2005 (18 Month reloads and full core discharge capability).

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

DOCKET NO. 50-530
UNIT NAME PVNGS-3
DATE 07/12/95
COMPLETED BY J. D. Fulton
TELEPHONE (602) 393-5277

June 1995

0601	0000	Unit began the month in Mode 1 at 100% power.
0604	2230	Commenced Rx power decrease to 85% for removal LP FWH Train A due to a tube leak in 1A.
0605	0430	Rx power stabilized at 100%.
0607	1350	Commenced Rx power increase to 100%.
0607	1600	Rx returned to 100% power.
0630	2400	Unit ended the month in Mode 1, Rx power at 100%.

SHUTDOWNS AND POWER REDUCTIONS
June 1995

DOCKET NO 50-530
UNIT NAME PVNGS-3
DATE 07/12/95
COMPLETED BY J. D. Fulton
TELEPHONE (602)393-6221

No.	Date	Type ¹	Outage Duration Hours	Reason ²	Method of Shutting Down Reactor ³	LER No.	System Code ⁴	Component Code ⁵	Cause and Corrective Action to Prevent Occurrence
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No reactor shutdowns or significant power reductions occurred during the month of June, 1995.

¹F-Forced
S-Scheduled

²Reason:
A-Equipment Failure(Explain)
B-Maintenance or Test
C-Refueling
D-Regulatory Restriction
E-Operator Training & License
Examination
F-Administrative
G-Operational Error
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³Method:
1-Manual
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3-Automatic Scram
4-Continuation from Previous Month
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Past 24 Hours
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