

PRIORITY 1

(ACCELERATED RIDS PROCESSING)

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:9509190226 DOC.DATE: 95/08/31 NOTARIZED: NO DOCKET #
FACIL:STN-50-528 Palo Verde Nuclear Station, Unit 1, Arizona Publi 05000528 P
STN-50-529 Palo Verde Nuclear Station, Unit 2, Arizona Publi 05000529
STN-50-530 Palo Verde Nuclear Station, Unit 3, Arizona Publi 05000530 R
AUTH.NAME AUTHOR AFFILIATION
FULTON,J.D. Arizona Public Service Co. (formerly Arizona Nuclear Power
LEVINE,J.M. Arizona Public Service Co. (formerly Arizona Nuclear Power I
RECIP.NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating repts for Aug 1995 for Palo Verde Nuclear
Generating Station.W/950913 ltr.

DISTRIBUTION CODE: IE24D COPIES RECEIVED:LTR 1 ENCL 1 SIZE: 16
TITLE: Monthly Operating Report (per Tech Specs)

NOTES:STANDARDIZED PLANT 05000528
Standardized plant. 05000529
Standardized plant. 05000530

RECIPIENT ID CODE/NAME	COPIES LTTR ENCL	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL
PD4-2 PD	1 1	HOLIAN, B	1 1
TRAN,L	1 1	THOMAS,C	1 1
INTERNAL: ACRS	10 10	AEOD/SPD/RRAB	1 1
FILE CENTER 01	1 1	NRR/DISP/PIPB	1 1
NRR/DRPM/PECB	1 1	RGN4	1 1
EXTERNAL: LITCO BRYCE,J H	1 1	NOAC	1 1
NRC PDR	1 1		

NOTE TO ALL "RIDS" RECIPIENTS:

PLEASE HELP US TO REDUCE WASTE! CONTACT THE DOCUMENT CONTROL
DESK, ROOM OWFN 5D8 (415-2083) TO ELIMINATE YOUR NAME FROM
DISTRIBUTION LISTS FOR DOCUMENTS YOU DON'T NEED!

TOTAL NUMBER OF COPIES REQUIRED: LTTR 22 ENCL 22

Arizona Public Service Company
PALO VERDE NUCLEAR GENERATING STATION
P.O. BOX 52034 • PHOENIX, ARIZONA 85072-2034

JAMES M. LEVINE
VICE PRESIDENT
NUCLEAR PRODUCTION

182-06095-JML/JLT/JDF
September 13, 1995

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Mail Station P1-37
Washington, DC 20555

Dear Sirs:

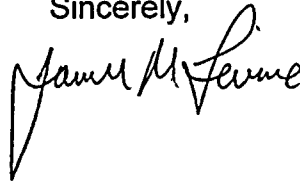
**Subject: Palo Verde Nuclear Generating Station (PVNGS)
Units 1, 2, and 3
Docket Nos. STN 50-528/529/530
Monthly Operating Reports for August 1995**

Enclosed are the Monthly Operating Reports for August 1995, 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) 393-5277.

Sincerely,



JML/JLT/JDF/gez

Enclosures: August 1995 Monthly Operating Reports

cc: L. J. Callan (all w/enclosures)
K. E. Perkins
NRC Senior Resident Inspector
INPO Records Center
Utility Data Institute

9509190226 950831
PDR ADDCK 0500052B
R PDR

IE24
11

2011

NRC MONTHLY OPERATING REPORT

DOCKET NO. 50-528
 UNIT NAME PVNGS-1
 DATE 09/12/95
 COMPLETED BY J. D. Fulton
 TELEPHONE (602) 393-5277

OPERATING STATUS

1. Unit Name: Palo Verde Nuclear Generating Station, Unit 1
2. Reporting Period: August 1995
3. Licensed Thermal Power (MWt): 3800
4. Nameplate Rating (Gross MWe): 1403
5. Design Electrical Rating (Net MWe): 1249
6. Maximum Dependable Capacity (Gross MWe): 1299
7. Maximum Dependable Capacity (Net MWe): 1227
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	744	5,832	84,072
12.	Hours Reactor was Critical	744.0	4,498.3	55,131.1
13.	Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14.	Hours Generator was On-Line	744.0	4,438.2	54,094.8
15.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
16.	Gross Thermal Energy Generated (MWH)	2,672,598	16,137,624	195,219,642
17.	Gross Electrical Energy Generated (MWH)	900,900	5,521,500	67,568,000
18.	Net Electrical Energy Generated (MWH)	850,523	5,190,294	63,421,200
19.	Unit Service Factor (%)	100.0%	76.1%	64.3%
20.	Unit Availability Factor (%)	100.0%	76.1%	64.3%
21.	Unit Capacity Factor (Using MDC Net)	93.2%	72.5%	61.8%
22.	Unit Capacity Factor (Using DER Net)	91.5%	71.3%	59.4%
23.	Unit Forced Outage Rate (%)	0.0%	0.8%	12.6%

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 09/12/95
COMPLETED BY J. D. Fulton
TELEPHONE (602) 393-5277

MONTH: August 1995

DAY AVERAGE DAILY POWER LEVEL

1	1227
2	1217
3	1216
4	1226
5	1227
6	1230
7	1223
8	1223
9	1224
10	1212
11	1212
12	1225
13	1222
14	1217
15	1222
16	1219

DAY AVERAGE DAILY POWER LEVEL

17	1217
18	1218
19	1219
20	1222
21	1081
22	1217
23	1210
24	1219
25	1205
26	393
27	376
28	781
29	1228
30	1221
31	1228

REFUELING INFORMATION

DOCKET NO.	<u>50-528</u>
UNIT NAME	<u>PVNGS-1</u>
DATE	<u>09/12/95</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	09/12/95
COMPLETED BY	J. D. Fulton
TELEPHONE	(602) 393-5277

August 1995

08/01	0000	Unit began the month in Mode 1 with Rx power at 100%.
08/25	2204	Commenced Rx power decrease to 40% due to condenser tube leak.
08/26	0148	Rx power at 40%.
08/28	0750	Commenced Rx power increase to 100%.
08/28	2308	Rx power returned to 100%.
08/31	2400	Unit ended the month in Mode 1 with Rx power at 100%.



SHUTDOWNS AND POWER REDUCTIONS
August 1995

DOCKET NO 50-528
UNIT NAME PVNGS-1
DATE 09/12/95
COMPLETED BY J. D. Fulton
TELEPHONE (602)393-5277

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
95-03	08/25/95	F	73.1	A	5	N/A	N/A	N/A	Power reduction to 40% due to condenser tube leak.

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 09/12/95
 COMPLETED BY J. D. Fulton
 TELEPHONE (602) 393-5277

OPERATING STATUS

1. Unit Name: Palo Verde Nuclear Generating Station, Unit 2
2. Reporting Period: August 1995
3. Licensed Thermal Power (MWt): 3800
4. Nameplate Rating (Gross MWe): 1403
5. Design Electrical Rating (Net MWe): 1249
6. Maximum Dependable Capacity (Gross MWe): 1299
7. Maximum Dependable Capacity (Net MWe): 1227
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	744	5,832	78,456
12.	Hours Reactor was Critical	744.0	4,555.4	55,207.1
13.	Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14.	Hours Generator was On-Line	744.0	4,493.3	54,094.2
15.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
16.	Gross Thermal Energy Generated (MWH)	2,822,403	16,678,912	196,922,819
17.	Gross Electrical Energy Generated (MWH)	967,600	5,750,400	68,481,870
18.	Net Electrical Energy Generated (MWH)	919,072	5,416,300	64,110,195
19.	Unit Service Factor (%)	100.0%	77.0%	68.9%
20.	Unit Availability Factor (%)	100.0%	77.0%	68.9%
21.	Unit Capacity Factor (Using MDC Net)	100.7%	75.7%	66.9%
22.	Unit Capacity Factor (Using DER Net)	98.9%	74.4%	64.3%
23.	Unit Forced Outage Rate (%)	0.0%	0.8%	5.6%

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 09/12/95
COMPLETED BY J. D. Fulton
TELEPHONE (602) 393-5277

MONTH: August 1995

DAY AVERAGE DAILY POWER LEVEL

1	1247
2	1242
3	1242
4	1244
5	1245
6	1248
7	1242
8	1240
9	1240
10	1238
11	1233
12	1185
13	1229
14	1238
15	1241
16	1241

DAY AVERAGE DAILY POWER LEVEL

17	1241
18	1246
19	1243
20	1242
21	1240
22	1240
23	1241
24	1243
25	1239
26	1243
27	1248
28	1247
29	1247
30	1243
31	1245

REFUELING INFORMATION

DOCKET NO. 50-529
UNIT NAME PVNGS-2
DATE 09/12/95
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.
- b. Technical Specification 3.2.6 "Reactor Coolant Cold Leg Temperature" figure 3.2-1 to establish new 100% power operation allowable temperature to 560°F to 550°F.

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	09/12/95
COMPLETED BY	J. D. Fulton
TELEPHONE	(602) 393-5277

August 1995

08/01	0000	Unit began the month in Mode 1 at 100% Rx power.
08/12	0520	Reduced Rx power to 88% due to Drain Pump trip.
08/12	1130	Commenced Rx power increase to 100%.
08/12	1400	Rx power returned to 100%.
08/31	2400	Unit ended the month in Mode 1 at 100% Rx power.

SHUTDOWNS AND POWER REDUCTIONS
August 1995

DOCKET NO 50-529
UNIT NAME PVNGS-2
DATE 09/12/95
COMPLETED BY J. D. Fulton
TELEPHONE (602)393-5277

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
-----	------	-------------------	-----------------------------	---------------------	--	---------	-----------------------------	--------------------------------	--

No reactor shutdowns or significant power reductions occurred during the month of August 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 09/12/95
COMPLETED BY J. D. Fulton
TELEPHONE (602) 393-5277

OPERATING STATUS

1. Unit Name: Palo Verde Nuclear Generating Station, Unit 3
2. Reporting Period: August 1995
3. Licensed Thermal Power (MWt): 3800
4. Nameplate Rating (Gross MWe): 1403
5. Design Electrical Rating (Net MWe): 1253
6. Maximum Dependable Capacity (Gross MWe): 1302
7. Maximum Dependable Capacity (Net MWe): 1230
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	744	5,832	67,032
12.	Hours Reactor was Critical	744.0	5,832.0	50,846.0
13.	Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14.	Hours Generator was On-Line	744.0	5,832.0	50,179.5
15.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
16.	Gross Thermal Energy Generated (MWH)	2,796,976	21,915,561	183,692,494
17.	Gross Electrical Energy Generated (MWH)	963,600	7,641,700	64,173,400
18.	Net Electrical Energy Generated (MWH)	907,491	7,214,821	60,337,528
19.	Unit Service Factor (%)	100.0%	100.0%	74.9%
20.	Unit Availability Factor (%)	100.0%	100.0%	74.9%
21.	Unit Capacity Factor (Using MDC Net)	99.2%	100.6%	73.7%
22.	Unit Capacity Factor (Using DER Net)	97.3%	98.7%	70.9%
23.	Unit Forced Outage Rate (%)	0.0%	0.0%	5.5%

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

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

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-530
UNIT NAME PVNGS-3
DATE 09/12/95
COMPLETED BY J. D. Fulton
TELEPHONE (602) 393-5277

MONTH: August 1995

DAY AVERAGE DAILY POWER LEVEL

1	1244
2	1237
3	1235
4	1242
5	1244
6	1245
7	1241
8	1240
9	1239
10	1236
11	1231
12	1240
13	1237
14	1238
15	1238
16	1239

DAY AVERAGE DAILY POWER LEVEL

17	1240
18	1243
19	1068
20	1051
21	1147
22	1235
23	1237
24	1240
25	1239
26	1239
27	1243
28	1242
29	1243
30	1240
31	1242

REFUELING INFORMATION

DOCKET NO.	50-530
UNIT NAME	PVNGS-3
DATE	09/12/95
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. (submitted 8/4/95 to NRC)

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

None.

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.	<u>50-530</u>
UNIT NAME	<u>PVNGS-3</u>
DATE	<u>09/12/95</u>
COMPLETED BY	<u>J. D. Fulton</u>
TELEPHONE	<u>(602) 393-5277</u>

August 1995

08/01	0000	Unit began the month in Mode 1 at 100% power.
08/31	2400	Unit ended the month in Mode 1 at 100% power.

SHUTDOWNS AND POWER REDUCTIONS
August 1995

DOCKET NO 50-530
UNIT NAME PVNGS-3
DATE 09/12/95
COMPLETED BY J. D. Fulton
TELEPHONE (602)393-5277

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
-----	------	-------------------	-----------------------------	---------------------	--	---------	-----------------------------	--------------------------------	--

No reactor shutdowns or significant power reductions occurred during the month of August, 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

