

# PRIORITY 1

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STN-50-529 Palo Verde Nuclear Station, Unit 2, Arizona Publi 05000529

STN-50-530 Palo Verde Nuclear Station, Unit 3, Arizona Publi 05000530

AUTH. NAME      AUTHOR AFFILIATION

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SUBJECT: Monthly operating repts for Mar 1995 for Palo Verde Nuclear  
Generating Station. W/950412 ltr.

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**Arizona Public Service Company**

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

182-06064-JML/JLT/JDF

April 12, 1995

JAMES M. LEVINE  
VICE PRESIDENT  
NUCLEAR PRODUCTION

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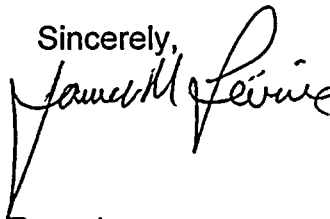
Dear Sirs:

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

Enclosed are the Monthly Operating Reports for March 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/JDF/gez

Enclosures: March 1995 Monthly Operating Reports

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

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PDR ADCK 05000528  
R PDR



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# NRC MONTHLY OPERATING REPORT

DOCKET NO. 50-528  
 UNIT NAME PVNGS-1  
 DATE 04/12/95  
 COMPLETED BY J. D. Fulton  
 TELEPHONE (602) 393-5277

## OPERATING STATUS

1. Unit Name: Palo Verde Nuclear Generating Station, Unit 1
2. Reporting Period: March 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               | 744        | 2,160       | 80,400      |
| 12. | Hours Reactor was Critical              | 744.0      | 2,160.0     | 52,792.8    |
| 13. | Reactor Reserve Shutdown Hours          | 0.0        | 0.0         | 0.0         |
| 14. | Hours Generator was On-Line             | 744.0      | 2,160.0     | 51,816.6    |
| 15. | Unit Reserve Shutdown Hours             | 0.0        | 0.0         | 0.0         |
| 16. | Gross Thermal Energy Generated (MWH)    | 2,638,589  | 7,999,626   | 187,081,644 |
| 17. | Gross Electrical Energy Generated (MWH) | 913,800    | 2,766,400   | 64,812,900  |
| 18. | Net Electrical Energy Generated (MWH)   | 860,147    | 2,610,540   | 60,841,446  |
| 19. | Unit Service Factor (%)                 | 100.0%     | 100.0%      | 64.4%       |
| 20. | Unit Availability Factor (%)            | 100.0%     | 100.0%      | 64.4%       |
| 21. | Unit Capacity Factor (Using MDC Net)    | 94.7%      | 99.0%       | 62.0%       |
| 22. | Unit Capacity Factor (Using DER Net)    | 91.0%      | 95.2%       | 59.6%       |
| 23. | Unit Forced Outage Rate (%)             | 0.0%       | 0.0%        | 13.1%       |

24. Shutdowns Scheduled Over Next 6 Months (Type, Date and Duration of Each): Refueling outage  
scheduled to begin 4/1/95 with a 70 day duration.

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 04/12/95  
 COMPLETED BY J. D. Fulton  
 TELEPHONE (602) 393-5277

MONTH: March 1995

DAY AVERAGE DAILY POWER LEVEL

|    |      |
|----|------|
| 1  | 1246 |
| 2  | 1247 |
| 3  | 1245 |
| 4  | 1244 |
| 5  | 1243 |
| 6  | 1245 |
| 7  | 1248 |
| 8  | 1246 |
| 9  | 1246 |
| 10 | 1243 |
| 11 | 1242 |
| 12 | 1244 |
| 13 | 1244 |
| 14 | 1241 |
| 15 | 1243 |
| 16 | 1241 |

DAY AVERAGE DAILY POWER LEVEL

|    |      |
|----|------|
| 17 | 1240 |
| 18 | 1147 |
| 19 | 1063 |
| 20 | 1055 |
| 21 | 1057 |
| 22 | 1065 |
| 23 | 1065 |
| 24 | 1069 |
| 25 | 1071 |
| 26 | 1070 |
| 27 | 1069 |
| 28 | 1070 |
| 29 | 1053 |
| 30 | 1011 |
| 31 | 995  |



# REFUELING INFORMATION

|              |                       |
|--------------|-----------------------|
| DOCKET NO.   | <u>50-528</u>         |
| UNIT NAME    | <u>PVNGS-1</u>        |
| DATE         | <u>04/12/95</u>       |
| COMPLETED BY | <u>J. D. Fulton</u>   |
| TELEPHONE    | <u>(602) 393-5277</u> |

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

The 5th refueling outage is scheduled to begin 04/01/95.

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

06/10/95.

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.**

12/28/94

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.**

The fuel assembly will utilize Erbium as a burnable absorber (as was done for Units 2 and 3).

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

- a) In the core. 241  
b) In the spent fuel storage pool. 368

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 04/12/95  
COMPLETED BY J. D. Fulton  
TELEPHONE (602) 393-5277

## March 1995

|       |      |  |
|-------|------|--|
| 03/01 | 0000 | Unit began the month in Mode 1 with 100% power.  |
| 03/09 | 2315 | Decreased Rx power to 99% for Hi Rate Steam Generator Blowdowns.   |
| 03/10 | 0116 | Increased Rx power to 100%.  |
| 03/16 | 2255 | Decreased Rx power to 99% for Hi Rate Steam Generator Blowdowns.   |
| 03/16 | 2355 | Increased Rx power to 100%.  |
| 03/17 | 2010 | Decreased Rx power to 98% for Main Turbine control valve testing.  |
| 03/17 | 2045 | Increased Rx power to 100%.  |
| 03/18 | 0828 | Commenced RX downpower to 85% in preparation for isolating LP Feedwater Heater string C due to Heater 1C tube leak.            |
| 03/18 | 1456 | Rx power at 85%.   |
| 03/20 | 1543 | Decreased Rx power to 83.5% due to EHC leak.   |
| 03/20 | 1915 | Commenced Rx power increase from 83.5% to 85%.   |
| 03/20 | 2040 | Rx power at 85%.   |
| 03/29 | 1955 | Decreased Rx power to 83% due to MT pressure switch failure.   |
| 03/30 | 0501 | Commenced Rx power increase to 85%.  |
| 03/30 | 0539 | Stabilized Rx power at 85%.  |
| 03/31 | 1548 | Decreased Rx power 1% to aid in data gathering to evaluate unusual noise and vibration from the #1 Main Turbine Control Valve. |
| 03/31 | 1620 | Increased Rx to 85% power.   |
| 03/31 | 1953 | Commenced Rx power decrease to 20% for outage.   |
| 03/31 | 2359 | Unit ended the month in Mode 1 at 20% power.   |



SHUTDOWNS AND POWER REDUCTIONS  
March 1995

DOCKET NO      50-528  
UNIT NAME      PVNGS-1  
DATE            04/12/95  
COMPLETED BY J. D. Fulton  
TELEPHONE      (602)393-6221

| No. | Date | Type <sup>1</sup> | Outage<br>Duration<br>Hours | Reason <sup>2</sup> | Method of<br>Shutting Down<br>Reactor <sup>3</sup> | LER No. | System<br>Code <sup>4</sup> | Component<br>Code <sup>5</sup> | Cause and Corrective Action<br>to Prevent Occurrence |
|-----|------|-------------------|-----------------------------|---------------------|--|---------|-----------------------------|--------------------------------|--|
|-----|------|-------------------|-----------------------------|---------------------|--|---------|-----------------------------|--------------------------------|--|

No reactor shutdowns or significant power reductions occurred during the month of March, 1995.

<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  
H-Other (Explain)

<sup>3</sup>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)

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

<sup>5</sup>Exhibit H-Same Source



# NRC MONTHLY OPERATING REPORT

DOCKET NO. 50-529  
 UNIT NAME PVNGS-2  
 DATE 04/12/95  
 COMPLETED BY J. D. Fulton  
 TELEPHONE (602) 393-5277

## OPERATING STATUS

1. Unit Name: Palo Verde Nuclear Generating Station, Unit 2
2. Reporting Period: March 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               | 744        | 2,160       | 74,784      |
| 12. | Hours Reactor was Critical              | 91.0       | 907.1       | 51,558.8    |
| 13. | Reactor Reserve Shutdown Hours          | 0.0        | 0.0         | 0.0         |
| 14. | Hours Generator was On-Line             | 43.4       | 859.5       | 50,460.4    |
| 15. | Unit Reserve Shutdown Hours             | 0.0        | 0.0         | 0.0         |
| 16. | Gross Thermal Energy Generated (MWH)    | 53,416     | 3,142,790   | 183,386,697 |
| 17. | Gross Electrical Energy Generated (MWH) | 12,800     | 1,082,100   | 63,813,570  |
| 18. | Net Electrical Energy Generated (MWH)   | 0          | 1,000,600   | 59,694,495  |
| 19. | Unit Service Factor (%)                 | 5.8%       | 39.8%       | 67.5%       |
| 20. | Unit Availability Factor (%)            | 5.8%       | 39.8%       | 67.5%       |
| 21. | Unit Capacity Factor (Using MDC Net)    | 0.0%       | 37.9%       | 65.4%       |
| 22. | Unit Capacity Factor (Using DER Net)    | 0.0%       | 36.5%       | 62.9%       |
| 23. | Unit Forced Outage Rate (%)             | 0.0%       | 0.0%        | 5.9%        |

24. Shutdowns Scheduled Over Next 6 Months (Type, Date and Duration of Each): \_\_\_\_\_

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

|                      |                       |                          |
|----------------------|-----------------------|--------------------------|
| INITIAL CRITICALITY  | Forecast <u>03/86</u> | Achieved <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 04/12/95  
 COMPLETED BY J. D. Fulton  
 TELEPHONE (602) 393-5277

MONTH: March 1995

DAY AVERAGE DAILY POWER LEVEL

|    |   |
|----|---|
| 1  | 0 |
| 2  | 0 |
| 3  | 0 |
| 4  | 0 |
| 5  | 0 |
| 6  | 0 |
| 7  | 0 |
| 8  | 0 |
| 9  | 0 |
| 10 | 0 |
| 11 | 0 |
| 12 | 0 |
| 13 | 0 |
| 14 | 0 |
| 15 | 0 |
| 16 | 0 |

DAY AVERAGE DAILY POWER LEVEL

|    |     |
|----|-----|
| 17 | 0   |
| 18 | 0   |
| 19 | 0   |
| 20 | 0   |
| 21 | 0   |
| 22 | 0   |
| 23 | 0   |
| 24 | 0   |
| 25 | 0   |
| 26 | 0   |
| 27 | 0   |
| 28 | 0   |
| 29 | 0   |
| 30 | 122 |
| 31 | 361 |





## REFUELING INFORMATION

|              |                       |
|--------------|-----------------------|
| DOCKET NO.   | <u>50-529</u>         |
| UNIT NAME    | <u>PVNGS-2</u>        |
| DATE         | <u>04/12/95</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 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 04/12/95  
COMPLETED BY J. D. Fulton  
TELEPHONE (602) 393-5277

## March 1995

|       |      |  |
|-------|------|--|
| 03/01 | 0000 | Unit began the month in refueling outage #5.   |
| 03/01 | 1508 | Entered Mode 6.  |
| 03/09 | 1817 | Entered Mode 5.  |
| 03/23 | 0408 | Entered Mode 4.  |
| 03/25 | 0117 | Entered Mode 3.  |
| 03/28 | 0152 | Entered Mode 2.  |
| 03/28 | 0500 | Unit 2 Rx is CRITICAL.   |
| 03/29 | 0435 | Commenced Rx power increase to 2-3%.   |
| 03/29 | 0500 | Rx power stable at 2%.   |
| 03/29 | 0830 | Entered Mode 1.  |
| 03/30 | 0233 | Synchronized the Main Generator to the grid. This signaled the end of the refueling outage. Outage duration was 54 days, 2 hours and 30 minutes. |
| 03/30 | 0727 | Opened Main Generator breakers in preparatio for overspeed test.   |
| 03/30 | 0754 | Commenced main turbine overspeed testing.  |
| 03/30 | 0929 | Synchronized the Main Generator to the grid.   |
| 03/30 | 1005 | Commenced Rx power to 14%.   |
| 03/30 | 1035 | Rx power is at 14%.  |
| 03/30 | 1105 | FWCS swapover completed satisfactorily. Rx power stabilized at 18%.  |
| 03/31 | 0509 | Rx power is greater than 20%. Increasing power to 70%.   |
| 03/31 | 2359 | Unit ended the month in Mode 1 at 30% power in power ascension to 70%.   |



SHUTDOWNS AND POWER REDUCTIONS  
March 1995

DOCKET NO 50-529  
UNIT NAME PVNGS-2  
DATE 04/12/95  
COMPLETED BY J. D. Fulton  
TELEPHONE (602)393-6221

| No.   | Date     | Type <sup>1</sup> | Outage<br>Duration<br>Hours | Reason <sup>2</sup> | Method of<br>Shutting Down<br>Reactor <sup>3</sup> | LER No. | System<br>Code <sup>4</sup> | Component<br>Code <sup>5</sup> | Cause and Corrective Action<br>to Prevent Occurrence         |
|-------|----------|-------------------|-----------------------------|---------------------|--|---------|-----------------------------|--------------------------------|--|
| 95-01 | 02/04/95 | S                 | 700.6                       | C                   | 2  | N/A     | N/A                         | N/A                            | Continuation of 5th refueling<br>outage from previous month. |

<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  
H-Other (Explain)

<sup>3</sup>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)

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

<sup>5</sup>Exhibit H-Same Source



# NRC MONTHLY OPERATING REPORT

DOCKET NO. 50-530  
 UNIT NAME PVNGS-3  
 DATE 04/12/95  
 COMPLETED BY J. D. Fulton  
 TELEPHONE (602) 393-5277

## OPERATING STATUS

1. Unit Name: Palo Verde Nuclear Generating Station, Unit 3
2. Reporting Period: March 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               | 744        | 2,160       | 63,360      |
| 12. | Hours Reactor was Critical              | 744.0      | 2,160.0     | 47,174.0    |
| 13. | Reactor Reserve Shutdown Hours          | 0.0        | 0.0         | 0.0         |
| 14. | Hours Generator was On-Line             | 744.0      | 2,160.0     | 46,507.5    |
| 15. | Unit Reserve Shutdown Hours             | 0.0        | 0.0         | 0.0         |
| 16. | Gross Thermal Energy Generated (MWH)    | 2,800,551  | 8,159,290   | 169,936,223 |
| 17. | Gross Electrical Energy Generated (MWH) | 974,500    | 2,841,000   | 59,372,700  |
| 18. | Net Electrical Energy Generated (MWH)   | 919,905    | 2,682,802   | 55,805,509  |
| 19. | Unit Service Factor (%)                 | 100.0%     | 100.0%      | 73.4%       |
| 20. | Unit Availability Factor (%)            | 100.0%     | 100.0%      | 73.4%       |
| 21. | Unit Capacity Factor (Using MDC Net)    | 101.3%     | 101.7%      | 72.1%       |
| 22. | Unit Capacity Factor (Using DER Net)    | 97.4%      | 97.8%       | 69.4%       |
| 23. | Unit Forced Outage Rate (%)             | 0.0%       | 0.0%        | 5.9%        |

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>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 04/12/95  
 COMPLETED BY J. D. Fulton  
 TELEPHONE (602) 393-5277

MONTH: March 1995

| DAY | AVERAGE DAILY POWER LEVEL | DAY | AVERAGE DAILY POWER LEVEL |
|-----|---------------------------|-----|---------------------------|
| 1   | 1228                      | 17  | 1249                      |
| 2   | 1085                      | 18  | 1250                      |
| 3   | 1113                      | 19  | 1249                      |
| 4   | 1248                      | 20  | 1250                      |
| 5   | 1251                      | 21  | 1249                      |
| 6   | 1252                      | 22  | 1256                      |
| 7   | 1256                      | 23  | 1254                      |
| 8   | 1255                      | 24  | 1255                      |
| 9   | 1256                      | 25  | 1254                      |
| 10  | 1254                      | 26  | 1256                      |
| 11  | 1254                      | 27  | 1255                      |
| 12  | 1254                      | 28  | 1258                      |
| 13  | 1254                      | 29  | 1257                      |
| 14  | 1253                      | 30  | 1256                      |
| 15  | 1250                      | 31  | 1253                      |
| 16  | 1249                      |     |                           |



## REFUELING INFORMATION

DOCKET NO. 50-530  
UNIT NAME PVNGS-3  
DATE 04/12/95  
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).

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

June 1995, if required.

**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 04/12/95  
COMPLETED BY J. D. Fulton  
TELEPHONE (602) 393-5277

## March 1995

|       |      |  |
|-------|------|--|
| 03/01 | 0000 | Unit began the month in Mode 1 at 100% power.  |
| 03/01 | 1326 | Commenced Rx downpower to 95% to remove condensate pump C from service due to high vibration.          |
| 03/01 | 1334 | Rx power at 95%.   |
| 03/01 | 1359 | Commenced Rx power increase to 100%.   |
| 03/01 | 1530 | Stopped Rx power increase at 99% power due to MFP suction pressure being 300 psig.                     |
| 03/01 | 1535 | Commenced Rx power reduction from 99% to place cond. demins. in service for SG chemistry cleanup.      |
| 03/01 | 1555 | Stopped Rx power decrease at 96% power.  |
| 03/01 | 2230 | Commenced Rx power reduction to 86% power for chemistry concerns.                                      |
| 03/01 | 2252 | Completed Rx power reduction to 86% in compliance with chemistry action level 1 for SG #1 hi sulfates. |
| 03/03 | 1733 | Commenced Rx power increase to approximately 96-98%.   |
| 03/03 | 2301 | Stopped power increase at 97.3% to perform surveillance test.  |
| 03/04 | 0123 | Commenced Rx power increase to 100%.   |
| 03/04 | 0408 | Rx power stabilized at 100%.   |
| 03/19 | 0058 | Decreased Rx power to 99% for Hi Rate Steam Generator Blowdown.  |
| 03/19 | 0250 | Increased Rx power to 100%.  |
| 03/25 | 2221 | Decreased Rx power to 99% for Hi Rate Steam Generator Blowdown.  |
| 03/25 | 2358 | Increased Rx power to 100%.  |
| 03/31 | 0157 | Decreased Rx power to 99% for control valve testing & Hi Rate Steam Generator Blowdown.                |
| 03/31 | 0439 | Increased RX power to 100%.  |
| 03/31 | 2359 | Unit ended the month in Mode 1 at 100% power.  |



SHUTDOWNS AND POWER REDUCTIONS  
March 1995

DOCKET NO 50-530  
UNIT NAME PVNGS-3  
DATE 04/12/95  
COMPLETED BY J. D. Fulton  
TELEPHONE (602)393-6221

| No. | Date | Type <sup>1</sup> | Outage<br>Duration<br>Hours | Reason <sup>2</sup> | Method of<br>Shutting Down<br>Reactor <sup>3</sup> | LER No. | System<br>Code <sup>4</sup> | Component<br>Code <sup>5</sup> | Cause and Corrective Action<br>to Prevent Occurrence |
|-----|------|-------------------|-----------------------------|---------------------|--|---------|-----------------------------|--------------------------------|--|
|-----|------|-------------------|-----------------------------|---------------------|--|---------|-----------------------------|--------------------------------|--|

No reactor shutdowns or significant power reductions occurred during the month of March, 1995.

<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  
H-Other (Explain)

<sup>3</sup>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)

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

<sup>5</sup>Exhibit H-Same Source



