

# ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

## REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:8811210264 DOC.DATE: 88/10/31 NOTARIZED: NO DOCKET #  
 FACIL:STN-50-528 Palo Verde Nuclear Station, Unit 1, Arizona Publi 05000528  
 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  
 BLOOM,T.J. Arizona Nuclear Power Project (formerly Arizona Public Serv  
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 RECIP.NAME RECIPIENT AFFILIATION

SUBJECT: Monthly operating repts for Oct 1988 for Palo Verde Nuclear  
 Generating Station Units 1,2 & 3 W/881114 ltr.

DISTRIBUTION CODE: IE24D COPIES RECEIVED:LTR 1 ENCL 1 SIZE: 17  
 TITLE: Monthly Operating Report (per Tech Specs)

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

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NOTES: 1 1

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M/R



# NRC MONTHLY OPERATING REPORT

DOCKET NO.	50-528
UNIT NAME	PVNGS-1
DATE	11/08/88
COMPLETED BY	T. J. Bloom
TELEPHONE	(602) 371-4187

## OPERATING STATUS

1. Unit Name: Palo Verde Nuclear Generating Station, Unit 1
2. Reporting Period: October 1988
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 (Items Number 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

	This Month	Yr.-to-Date	Cumulative
11. Hours in Reporting Period	<u>744.0</u>	<u>7,320.0</u>	<u>24,192.0</u>
12. Number of Hours Reactor Was Critical	<u>744.0</u>	<u>4,298.9</u>	<u>14,276.1</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
14. Hours Generator On-Line	<u>744.0</u>	<u>4,123.8</u>	<u>13,480.9</u>
15. Unit Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
16. Gross Thermal Energy Generated (MWH)	<u>2,659,128.0</u>	<u>14,834,875.0</u>	<u>49,867,712.0</u>
17. Gross Electrical Energy Generated (MWH)	<u>923,300.0</u>	<u>5,159,800.0</u>	<u>17,303,100.0</u>
18. Net Electrical Energy Generated (MWH)	<u>873,419.0</u>	<u>4,840,840.0</u>	<u>16,168,765.0</u>
19. Unit Service Factor	<u>100.0%</u>	<u>56.3%</u>	<u>57.2%</u>
20. Unit Availability Factor	<u>100.0%</u>	<u>56.3%</u>	<u>57.2%</u>
21. Unit Capacity Factor (Using MDC Net)	<u>96.1%</u>	<u>54.2%</u>	<u>54.7%</u>
22. Unit Capacity Factor (Using DER Net)	<u>92.4%</u>	<u>52.1%</u>	<u>52.6%</u>
23. Unit Forced Outage Rate	<u>0.0%</u>	<u>39.5%</u>	<u>29.4%</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>Refueling Outage - 03/21/89 - 70 Days</u>			

25. If Shutdown At End of Report Period, Estimated Date of Startup:  
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>

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8811210264 881031  
PDR ADOCK 05000528  
R PDC

TE24 11



# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-528  
UNIT NAME PVNGS-1  
DATE 11/08/88  
COMPLETED BY T. J. Bloom  
TELEPHONE (602) 371-4187

MONTH: OCTOBER 1988

DAY	AVERAGE DAILY POWER LEVEL
1	<u>1.256</u>
2	<u>1.254</u>
3	<u>1.252</u>
4	<u>1.226</u>
5	<u>1.240</u>
6	<u>1.241</u>
7	<u>1.230</u>
8	<u>968</u>
9	<u>1.096</u>
10	<u>1.236</u>
11	<u>1.241</u>
12	<u>1.242</u>
13	<u>1.240</u>
14	<u>1.241</u>
15	<u>1.244</u>
16	<u>1.228</u>

DAY	AVERAGE DAILY POWER LEVEL
17	<u>1.136</u>
18	<u>711</u>
19	<u>708</u>
20	<u>781</u>
21	<u>1.072</u>
22	<u>1.252</u>
23	<u>1.255</u>
24	<u>1.256</u>
25	<u>1.255</u>
26	<u>1.256</u>
27	<u>1.255</u>
28	<u>1.252</u>
29	<u>1.254</u>
30	<u>1.253</u>
31	<u>1.256</u>



# REFUELING INFORMATION

DOCKET NO. 50-528  
UNIT NAME PVNGS-1  
DATE 11/08/88  
COMPLETED BY T. J. Bloom  
TELEPHONE (602) 371-4187

1. Scheduled date for next refueling shutdown.

03/21/89

2. Scheduled date for restart following refueling.

05/29/89

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

Yes, as a minimum it will include the following: 3/4 1.3.6, 3/4 2.3, 3/4 2.4.

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

01/89.

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.

The fuel vendor for the next reload will be Combustion Engineering.

6. The number of fuel assemblies

a) In the core. 241

b) In the spent fuel storage pool. 80

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.

2004 (18 Month reloads and full core discharge capability).





# SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

DOCKET NO.	<u>50-528</u>
UNIT NAME	<u>PVNGS-1</u>
DATE	<u>11/08/88</u>
COMPLETED BY	<u>T. J. Bloom</u>
TELEPHONE	<u>(602) 371-4187</u>

## OCTOBER 1988

10/01	0000	Reactor power is at 100%.
10/04	1420	Reactor power reduced to 90% in order to remove the "C" low pressure feedwater train from service for suspected tube damage.
10/04	2000 (est)	Reactor power increased to 100%.
10/07	2148	Reactor power decreased to 90% for control element assembly calculator testing.
10/08	1319	Reactor power reduced to 66% in order to meet Technical Specification 3.1.3.1 regarding CEA position while conducting CEA surveillance testing.
10/09	0921	Reactor power is increased to 100%.
10/16	1350	Reactor power decreased to 97% due to high feedwater pump "A" suction strainer differential pressure.
10/17	2318	Reactor power reduced to 65% to repair main feedwater pump "A" suction strainer.
10/18	2015	Reactor power reduced to 50% to isolate the "B" low pressure feedwater heater train.
10/19	1225	Reactor power increased to 64% following review of pressure indication in the "B" heater train.
10/21	0600	Reactor power increased to 81%.
10/22	0105	Reactor power increased to 100%.
10/31	2400	Reactor power at 100%.



## SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-528  
 UNIT NAME PVNGS-1  
 DATE 11/08/88  
 COMPLETED BY T. J. Bloom  
 TELEPHONE (602) 371-4187

No.	Date	Type <sup>1</sup>	Duration Hours	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	LER No.	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause and Corrective Action to Prevent Recurrence
10	10/07	S	N/A	B	5	N/A	N/A	N/A	Reactor power reduced to 90% for Control Element Assembly Calculator functional testing. Subsequently, while conducting CEA surveillance testing, power was reduced to 66% in order to comply with Technical Specification 3.1.3.1 Action Statement regarding CEA position.
11	10/17	F	N/A	A	5	N/A	N/A	N/A	Reactor power was reduced to 65% to repair the "A" feedwater pump suction strainer. Later, power was further reduced to 50% in order to repair the leaks in Low Pressure Feedwater Heater "2B" and "2C".

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  
 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 the Data  
 Entry Sheets for Licensee  
 Event Report (LER) File  
 (NUREG 0161)

5  
 Exhibit H-Same Source



# NRC MONTHLY OPERATING REPORT

DOCKET NO.	50-529
UNIT NAME	PVNGS-2
DATE	11/08/88
COMPLETED BY	T. J. Bloom
TELEPHONE	(602) 371-4187

## OPERATING STATUS

1. Unit Name: Palo Verde Nuclear Generating Station, Unit 2
2. Reporting Period: October 1988
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 (Items Number 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

	This Month	Yr.-to-Date	Cumulative
11. Hours in Reporting Period	<u>744.0</u>	<u>7,320.0</u>	<u>18,576.0</u>
12. Number of Hours Reactor Was Critical	<u>744.0</u>	<u>4,464.6</u>	<u>13,739.7</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
14. Hours Generator On-Line	<u>744.0</u>	<u>4,350.0</u>	<u>13,476.2</u>
15. Unit Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
16. Gross Thermal Energy Generated (MWH)	<u>2,814,560.0</u>	<u>16,043,549.0</u>	<u>49,250,716.0</u>
17. Gross Electrical Energy Generated (MWH)	<u>983,200.0</u>	<u>5,589,400.0</u>	<u>17,250,670.0</u>
18. Net Electrical Energy Generated (MWH)	<u>925,572.0</u>	<u>5,232,001.0</u>	<u>16,168,883.0</u>
19. Unit Service Factor	<u>100.0%</u>	<u>59.4%</u>	<u>72.5%</u>
20. Unit Availability Factor	<u>100.0%</u>	<u>59.4%</u>	<u>72.5%</u>
21. Unit Capacity Factor (Using MDC Net)	<u>101.9%</u>	<u>58.5%</u>	<u>71.3%</u>
22. Unit Capacity Factor (Using DER Net)	<u>98.0%</u>	<u>56.3%</u>	<u>68.5%</u>
23. Unit Forced Outage Rate	<u>0.0%</u>	<u>0.0%</u>	<u>4.6%</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>None</u>			

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

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



# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-529  
UNIT NAME PVNGS-2  
DATE 11/08/88  
COMPLETED BY T. J. Bloom  
TELEPHONE (602) 371-4187

MONTH: OCTOBER 1988

DAY AVERAGE DAILY POWER LEVEL

1	<u>1,248</u>
2	<u>1,248</u>
3	<u>1,244</u>
4	<u>1,245</u>
5	<u>1,242</u>
6	<u>1,242</u>
7	<u>1,245</u>
8	<u>1,247</u>
9	<u>1,248</u>
10	<u>1,244</u>
11	<u>1,246</u>
12	<u>1,247</u>
13	<u>1,245</u>
14	<u>1,246</u>
15	<u>1,250</u>
16	<u>1,248</u>

DAY AVERAGE DAILY POWER LEVEL

17	<u>1,246</u>
18	<u>1,245</u>
19	<u>1,244</u>
20	<u>1,246</u>
21	<u>1,247</u>
22	<u>1,245</u>
23	<u>1,251</u>
24	<u>1,247</u>
25	<u>1,249</u>
26	<u>1,251</u>
27	<u>1,250</u>
28	<u>1,246</u>
29	<u>1,247</u>
30	<u>1,247</u>
31	<u>1,246</u>





REFUELING INFORMATION

DOCKET NO. 50-529  
UNIT NAME PVNGS-2  
DATE 11/08/88  
COMPLETED BY T. J. Bloom  
TELEPHONE (602) 371-4187

1. Scheduled date for next refueling shutdown.

09/15/89

2. Scheduled date for restart following refueling.

11/24/89

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

To be determined

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

To be 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.

To be determined

6. The number of fuel assemblies

a) In the core. 241

b) In the spent fuel storage pool. 108

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.

2004 (18 Month reloads and full core discharge capability).



SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

DOCKET NO.	<u>50-529</u>
UNIT NAME	<u>PVNGS-2</u>
DATE	<u>11/08/88</u>
COMPLETED BY	<u>T. J. Bloom</u>
TELEPHONE	<u>(602) 371-4187</u>

OCTOBER 1988

10/01	0000	Reactor power is at 100%.
10/31	2400	Reactor power is at 100% where Unit 2 has operated at for the entire month.



# SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-529  
UNIT NAME PVNGS-2  
DATE 11/08/88  
COMPLETED BY T. J. Bloom  
TELEPHONE (602) 371-4187

No.	Date	Type <sup>1</sup>	Duration Hours	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	LER No.	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause and Corrective Action to Prevent Recurrence
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No Reactor Shutdowns or Significant Power Reductions Occurred During the Month.

1	2	3	4	5
F-Forced S-Scheduled	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)	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)	Exhibit F-Instructions for Preparation of the Data Entry Sheets for Licensee Event Report (LER) File (NUREG 0161)	Exhibit H-Same Source

# NRC MONTHLY OPERATING REPORT

DOCKET NO.	<u>50-530</u>
UNIT NAME	<u>PVNGS-3</u>
DATE	<u>11/08/88</u>
COMPLETED BY	<u>T. J. Bloom</u>
TELEPHONE	<u>(602) 371-4187</u>

## OPERATING STATUS

1. Unit Name: Palo Verde Nuclear Generating Station, Unit 3
2. Reporting Period: October 1988
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 (Items Number 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

	This Month	Yr.-to-Date	Cumulative
11. Hours in Reporting Period	<u>744.0</u>	<u>7,152.0</u>	<u>7,152.0</u>
12. Number of Hours Reactor Was Critical	<u>744.0</u>	<u>6,737.7</u>	<u>6,737.7</u>
13. Reactor Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
14. Hours Generator On-Line	<u>744.0</u>	<u>6,714.0</u>	<u>6,714.0</u>
15. Unit Reserve Shutdown Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
16. Gross Thermal Energy Generated (MWH)	<u>2,805,814.0</u>	<u>24,844,586.0</u>	<u>24,844,586.0</u>
17. Gross Electrical Energy Generated (MWH)	<u>982,500.0</u>	<u>8,725,700.0</u>	<u>8,725,700.0</u>
18. Net Electrical Energy Generated (MWH)	<u>926,955.0</u>	<u>8,216,429.0</u>	<u>8,216,429.0</u>
19. Unit Service Factor	<u>100.0%</u>	<u>93.9%</u>	<u>93.9%</u>
20. Unit Availability Factor	<u>100.0%</u>	<u>93.9%</u>	<u>93.9%</u>
21. Unit Capacity Factor (Using MDC Net)	<u>102.0%</u>	<u>94.1%</u>	<u>94.1%</u>
22. Unit Capacity Factor (Using DER Net)	<u>98.1%</u>	<u>90.5%</u>	<u>90.5%</u>
23. Unit Forced Outage Rate	<u>0.0%</u>	<u>6.1%</u>	<u>6.1%</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>Refueling Outage - 03/03/89 - 70 Days</u>			
25. If Shutdown At End of Report Period, Estimated Date of Startup: <u>N/A</u>			

INITIAL CRITICALITY  
INITIAL ELECTRICITY  
COMMERCIAL OPERATION

Forecast	Achieved
<u>07/87</u>	<u>10/25/87</u>
<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 11/08/88  
COMPLETED BY T. J. Bloom  
TELEPHONE (602) 371-4187

MONTH: OCTOBER 1988

DAY	AVERAGE DAILY POWER LEVEL
1	<u>1.256</u>
2	<u>1.254</u>
3	<u>1.250</u>
4	<u>1.253</u>
5	<u>1.248</u>
6	<u>1.252</u>
7	<u>1.254</u>
8	<u>1.255</u>
9	<u>1.254</u>
10	<u>1.248</u>
11	<u>1.250</u>
12	<u>1.249</u>
13	<u>1.250</u>
14	<u>1.250</u>
15	<u>1.153</u>
16	<u>1.245</u>

DAY	AVERAGE DAILY POWER LEVEL
17	<u>1.250</u>
18	<u>1.250</u>
19	<u>1.249</u>
20	<u>1.247</u>
21	<u>1.249</u>
22	<u>1.248</u>
23	<u>1.248</u>
24	<u>1.248</u>
25	<u>1.246</u>
26	<u>1.249</u>
27	<u>1.247</u>
28	<u>1.248</u>
29	<u>1.244</u>
30	<u>1.244</u>
31	<u>1.247</u>





REFUELING INFORMATION

DOCKET NO. 50-530  
UNIT NAME PVNGS-3  
DATE 11/08/88  
COMPLETED BY T. J. Bloom  
TELEPHONE (602) 371-4187

1. Scheduled date for next refueling shutdown.

03/03/89

2. Scheduled date for restart following refueling.

05/13/89

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

Yes, these are expected to include the following: 2.1.1.1, 3/4 1.1.2, 3/4 1.1.3, 3/4 1.3.1, 3/4 1.3.6, 3/4 2.1, 3/4 2.3, 3/4 2.4, 3/4 2.5, 3/4 2.8, 3/4 3.1, 3/4 3.2.

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

12/88

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.

The fuel vendor for the next reload will be Combustion Engineering.

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.

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 11/08/88  
COMPLETED BY T. J. Bloom  
TELEPHONE (602) 371-4187

SEPTEMBER 1988

10/01	0000	Reactor power is at 100%.
10/15	0540	Reactor power reduced to 88% for Control Element Assembly surveillance testing.
10/15	2110	Reactor power increased to 100%.
10/31	2400	Reactor power is at 100%.



# SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-530  
UNIT NAME PVNGS-3..  
DATE 11/08/88  
COMPLETED BY T. J. Bloom  
TELEPHONE (602) 371-4187

No.	Date	Type <sup>1</sup>	Duration Hours	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	LER No.	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause and Corrective Action to Prevent Recurrence
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No Reactor Shutdowns or Significant Power Reductions Occurred During the Month.

1	2	3	4
F-Forced S-Scheduled	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)	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)	Exhibit F-Instructions for Preparation of the 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

252-00019-JGH/TJB  
November 14, 1988

Docket Nos. STN 50-528/529/530

Document Control Desk  
U. S. Nuclear Regulatory Commission  
Mail Station PL-137  
Washington, D.C. 20555

Dear Sirs:

Subject: Palo Verde Nuclear Generating Station (PVNGS)  
Units 1, 2 and 3  
Monthly Operating Reports for October 1988  
File: 88-024-404/88-056-026

Attached are the Monthly Operating Reports for October 1988 prepared and submitted pursuant to Specification 6.9.1.6 of Appendix A (Technical Specifications) to the Palo Verde Nuclear Generating Station, Units 1, 2 and 3 Operating Licenses. By copy of this letter, we are also forwarding a copy of the Monthly Operating Reports to the Regional Administrator of the Region V Office.

If you have any questions, please contact Mr. T. J. Bloom, at (602) 371-4187.

Very truly yours,

J. G. Haynes  
Vice President  
Nuclear Production

JGH/TJB/dlm  
Attachments

cc: E. E. Van Brunt, Jr. (all w/attachments)  
D. B. Karner  
J. A. Amenta  
A. C. Gehr  
M. J. Davis  
J. B. Martin  
INPO Records Center

1  
IEPA  
11





Monthly Operating Report  
Page 2

bcc:	R. J. Adney	(6070)	(all w/attachments)
	J. E. Allen	(7106)	
	J. M. Allen	(6932)	
	R. A. Bernier	(7048)	
	F. C. Buckingham	(6451)	
	R. M. Butler	(6102)	
	D. R. Canady	(6345)	
	M. L. Clyde	(6079)	
	K. B. Contois	(6985)	
	J. D. Driscoll	(6125)	
	B. S. Ecklund	(7035)	
	R. E. Gouge	(6486)	
	D. A. Hackbert	(6795)	
	D. E. Hardy	(1720)	
	L. L. Henson	(6078)	
	W. E. Ide	(6452)	
	J. R. LoCicero	(6225)	
	R. W. Page	(7102)	
	K. F. Porter	(6077)	
	W. F. Quinn	(7035)	
	M. W. Roach	(7102)	
	A. C. Rogers	(7048)	
	S. L. Schey	(6231)	
	T. D. Shriver	(6148)	
	W. M. Simko	(6077)	
	G. W. Sowers	(6102)	
	E. F. Spaw	(2208)	
	E. C. Sterling	(7034)	
	C. R. Stevens	(7006)	
	C. H. Teeter	(7102)	
	P. L. Vogt	(4161)	
	J. D. Wade	(7434)	
	P. J. Wiley	(6963)	
	D. Wootten	(7035)	
	R. E. Younger	(6428)	
	O. J. Zeringue	(6915)	

