ENCLOSURE 1

MONTHLY OPERATING REPORTS ... FOR FEBRUARY 1995

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NRC MONTHLY OPERATING REPORT

DOCKET NO. UNIT NAME DATE 50-528 PVNGS-1 03/10/95 B. S. Ecklund (602) 393-6221

COMPLETED BY TELEPHONE

OPERATING STATUS

1. Unit Name: Palo Verde Nuclear Generating Station, Unit 1

2. Reporting Period: February 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

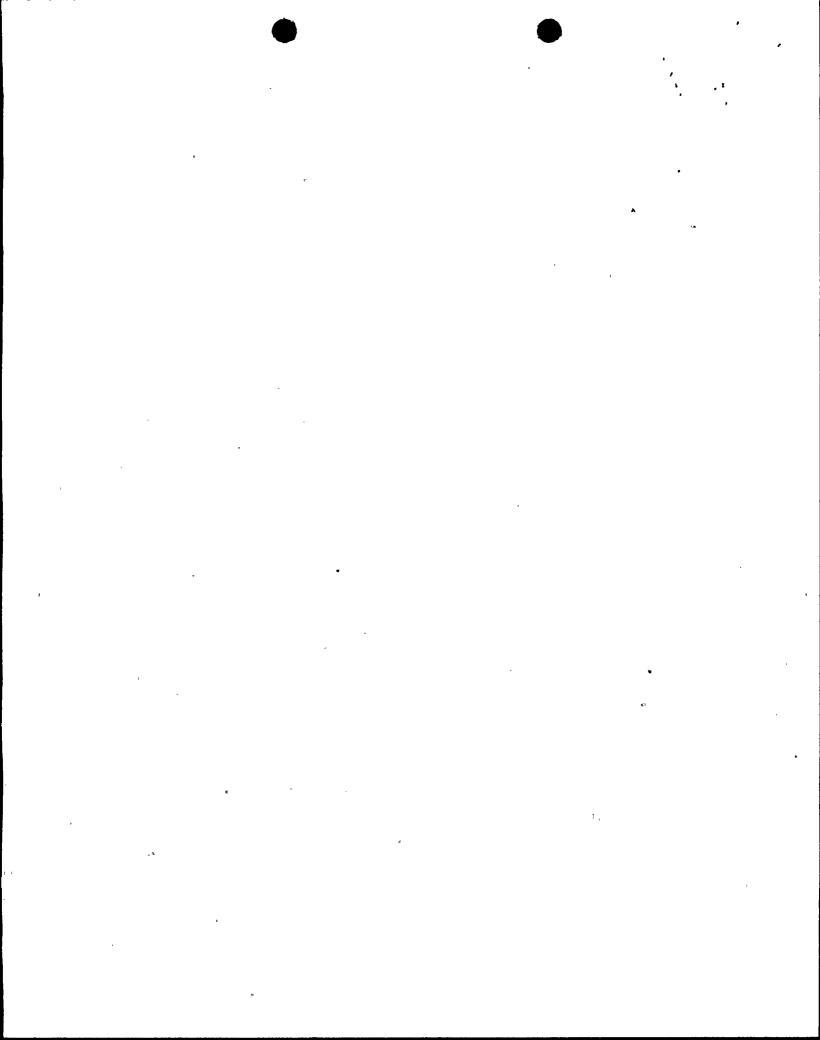
10. Reasons For Restrictions, If Any: N/A

	Unit 1 Generating Statistics	This Month	Yr. to Date	Cumulative
11.	Hours in Reporting Period	672	1416	79,656
12.	Hours Reactor was Critical	672.0	1416.0	52,048.8
13.	Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14.	Hours Generator was On-Line	672.0	1416.0	51,072.6
15.	Unit Reserve Shutdown Hours	. 0.0	0.0	0.0
16.	Gross Thermal Energy Generated (MWH)	2,552,287	5,361,037	184,443,055
17.	Gross Electrical Energy Generated (MWH)	882,100	1,852,600	63,899,100
18.	Net Electrical Energy Generated (MWH)	832,872	1,750,393	59,981,299
19.	Unit Service Factor (%)	100.0%	100.0%	64.1%
20.	Unit Availability Factor (%)	100.0%	100.0%	64.1%
21.	Unit Capacity Factor (Using MDC Net)	101.5%	101.2%	61.7%
22.	Unit Capacity Factor (Using DER Net)	97.6%	97.3%	59.3%
23.	Unit Forced Outage Rate (%)	0.0%	0.0%_	13.2%

24.	Shutdowns Scheduled Over Next 6 Months (Type, Date and Duratisscheduled to begin 4/1/95 with a 70 day duration.	on of Each):	Refueling outage	_
25.	If Shutdown At End of Report Period, Estimated Date of Start-up:	N/A	4	
	*	İ	·	

INITIAL CRITICALITY
INITIAL ELECTRICITY
COMMERCIAL OPERATION

Forecast Achieved 05/85 05/25/85 06/85 06/10/85 11/85 01/28/86



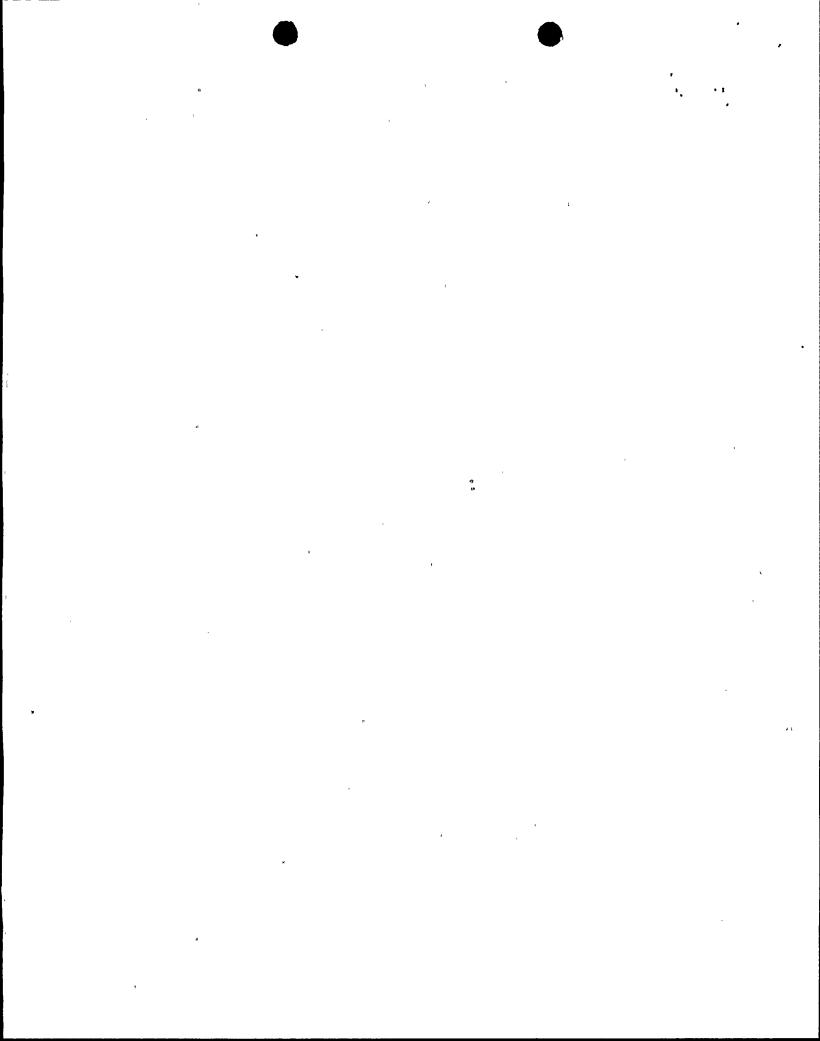
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO.
UNIT NAME
DATE
COMPLETED BY
TELEPHONE

50-528 PVNGS-1 03/10/95 B. S. Ecklund (602) 393-6221

MONTH: February 1995

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
1	1249	17	1234
2	1246	18	1243
3	1245	19	1246
4	1247	20	1246
5	1247	21	1244
6	1247	22	1244
7	1244	23	1245
8	1241	24	1242
9	1242	25,	1245
10	1244	, 26	1246
11	1247	27	1247
12	1247	28	1246
13	1245		
14	1242		
15	1243		-
16	1244		



REFUELING INFORMATION

DOCKET NO.

COMPLETED BY

UNIT NAME

TELEPHONE

DATE

50-528

PVNGS-1 03/10/95

B. S. Ecklund

(602) 393-6221

Scheduled date for next refueling shutdown. 1. The 5th refueling outage is tentatively scheduled for 04/01/95. 2. Scheduled date for restart following refueling. 06/10/95. Will refueling or resumption of operation thereafter require a Technical Specification change or other 3. license amendment? No Scheduled date for submitting proposed licensing action and supporting information. 4. 12/28/94 Important Licensing considerations associated with refueling, e.g., new or different fuel design or 5. 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). The number of fuel assemblies. 6. a) In the core. b) In the spent fuel storage pool. _ 7. Licensed spent fuel storage capacity. ___1329 Intended change in spent fuel storage capacity. None Projected date of last refueling that can be discharged to spent fuel storage pool assuming present 8. capacity. 2005 (18 Month reloads and full core discharge capability).

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

DOCKET NO.

UNIT NAME

DATE

50-528

PVNGS-1

03/10/95

	DATE <u>03/10/95</u> COMPLETED BY <u>B. S. Ecklund</u> TELEPHONE (602) 393-6221	
<u>1995</u>		
0000	Unit began the month in Mode 1 with 100% power.	
0046	Reduced Rx power to 99% as required to perform HI Rate Steam Generator Blow Down.	
0154	Increased Rx power to 100%.	
0110	Reduced Rx power to 99% as required to perform HI Rate Steam Generator Blow Down.	
0240	Increased Rx power to 100%.	
0005	Reduced Rx power to 99% as required to perform HI Rate Steam Generator Blow Down.	
0021	During power decrease for Hi Rate Steam Generator Blow Down, experienced a step power reduction of approximately 5% Rx power. SBCV#1 opened to approximately 15%.	
0022	Rx Power stabilized at approximately 99% power.	
1740	Commenced power increase from 99% to 100%.	
1815	Rx power is at 100%.	
0115	Commenced power reduction in preparation to perform control valve testing.	
0120	Stabilized power at 97.5%.	
0240	Stabilized power at 100%.	
0030	Reduced Rx power to 99% as required to perform HI Rate Steam Generator Blow Down.	
0325	Increased Rx power to 100%.	
	0000 0046 0154 0110 0240 0005 0021 0022 1740 1815 0115 0120 0240 0030	1995 OUNDETED BY TELEPHONE Description OUNIT began the month in Mode 1 with 100% power. OUNIT began the month in Mode 1 with 100% power. OUNIT Reduced Rx power to 99% as required to perform HI Rate Steam Generator Blow Down. OUNIT Reduced Rx power to 100%. OUNIT Reduced Rx power to 99% as required to perform HI Rate Steam Generator Blow Down. OUNIT During power decrease for Hi Rate Steam Generator Blow Down, experienced a step power reduction of approximately 5% Rx power. SBCV#1 opened to approximately 15%. OUNIT Rx Power stabilized at approximately 99% power. OUNIT Commenced power increase from 99% to 100%. Rx power is at 100%. OUNIT Commenced power reduction in preparation to perform control valve testing. OUNIT Stabilized power at 97.5%. OUNIT Stabilized power at 100%. OUNIT RED RY BY SHALL STEAM GENERATOR BLOW Down.

Ended month at 100% power.

2359

02/28

SHUTDOWNS AND POWER REDUCTIONS February 1995

DOCKET NO UNIT NAME DATE COMPLETED BY 50-528 PVNGS-1 03/10/95 B. S. Ecklund

TELEPHONE

B. S. Ecklund (602)393-6221

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

No reactor shutdowns or significant power reductions occurred during the month of February 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. UNIT NAME DATE **COMPLETED BY**

TELEPHONE

50-529 **PVNGS-2** 03/10/95 B. S. Ecklund (602) 393-6221

OPERATING STATUS

1. **Unit Name:** Palo Verde Nuclear Generating Station, Unit 2

2. Reporting Period: February 1995

Licensed Thermal Power (MWt): 3. Nameplate Rating (Gross MWe): 1403 4.

Design Electrical Rating (Net MWe): 1270 5.

Maximum Dependable Capacity (Gross MWe): 6. 1303

Maximum Dependable Capacity (Net MWe): 1221 7.

8. If Changes Occur In Capacity Ratings (Item Numbers 3 Through 7)

Since Last Report, Give Reasons:

Power Level to Which Restricted, If Any (Net MWe): 9.

None

10. Reasons For Restrictions, If Any: N/A

1	Unit 2 Generating Statistics	This Month	Yr. to Date	Cumulative
11.	Hours in Reporting Period	672	1416	74,040
12.	Hours Reactor was Critical	72.1	816.1	51,467.8
13.	Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14.	:Hours:Generator:was:On-Line	72.1	816.1	50,417.0
15.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
16.	Gross Thermal Energy Generated (MWH)	268,987	3,089,374	183,333,281
17.	Gross Electrical Energy Generated (MWH)	92,600	1,069,300	63,800,770
18.	Net Electrical Energy Generated (MWH)	81,859	1,000,600	59,694,495
19.	Unit Service Factor (%)	10.7%	57.6%	68.1%
20.	Unit Availability Factor (%)	10.7%	57.6%	68.1%
21.	Unit Capacity Factor (Using MDC Net)	10.0%	57.9%	66.0%
22.	Unit Capacity Factor (Using DER Net)	9.6%	55.6%	63.5%
23.	Unit Forced Outage Rate (%)	0.0%	0.0%	5.9%

Shutdowns Scheduled Over Next 6 Months (Type, Date and Duration of Each): Refueling outage 24. began 2/4/95 with a 60 day duration.

4/5/95 If Shutdown At End of Report Period, Estimated Date of Start-up: 25.

> INITIAL CRITICALITY **INITIAL ELECTRICITY COMMERCIAL OPERATION**

Forecast 03/86 06/86 11/86

Achieved 04/18/86 05/20/86 09/19/86

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. UNIT NAME DATE COMPLETED BY TELEPHONE 50-529 PVNGS-2 03/10/95 B. S. Ecklund (602) 393-6221

MONTH: February 1995

DAY	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
1	1234	17	
2	1233	18	0
3	1176	19	0
4	1	20	0
5	0	21	0
6	0	22	0
7	0	23	0
8	0	24	0
9	0	25	0
10	. 0	26	0
11	0	27	0
12	. 0	28	0
13	0		
14	. 0		
15	0		
16	0		

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REFUELING INFORMATION

			DOCKET NO. UNIT NAME DATE COMPLETED BY TELEPHONE	50-529 PVNGS-2 03/10/95 B. S. Ecklund (602) 393-6221
1.	Sched	uled date for next refueling shutdown.		
	02/04/9	5, 5th refueling outage.		
2.	Sched	uled date for restart following refueling.		
	04/05/9	95.		
3.		fueling or resumption of operation thereafter require a Tec e amendment?	hnical Specification	n change or other
	a.	Technical Specification 3.9.6 will be changed to raise the overlefuel assembly modification.	oad cutoff limit to ac	commodate the new
	b.	Technical Specification 3.4.2.1 will be modified to lower the PSV	lift setting from 2500	psia to 2475 psia.
	C.	Technical Specification change to Note 5 of Table 4.3-1 for independent shape annealing matrix.	or the proposed ins	stallation of a cycle
4.	Schedi	uled date for submitting proposed licensing action and suppo	rting information.	
	10/27/9	14.		
5.	supplie	ant Licensing considerations associated with refueling, e er, unreviewed design or performance analysis methods, signerating procedures.		
	The fue	el assembly will consist of a denser fuel pellet, Erbium bumable abs	sorber and guardian	grid
6.	The nu	mber of fuel assemblies.		
		ne core. <u>241</u> ne spent fuel storage pool. <u>444</u>		
7.	Licens	ed spent fuel storage capacity. <u>1329</u>		
	Intende	d change in spent fuel storage capacity. None		
B.	Project capaci	ted date of last refueling that can be discharged to spent ty.	fuel storage pool	assuming present
	2005 (1	8 Month reloads and full core discharge capability).		

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SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

DOCKET NO.	50-529
UNIT NAME	PVNGS-2
DATE	03/10/95
COMPLETED BY	B. S. Ecklund
TELEPHONE	(602) 393-622

<u>February</u>	<u>1995</u>	
02/01	0000	Unit began the month in Mode 1 at 100% power.
02/03	2030	Commenced a normal plant shutdown for refueling outage.
02/04	0003	Manually tripped the Reactor; Entered Mode 3.
02/04	1606	Entered Mode 4.
02/05	0415	Entered Mode 5.
02/08	0201	Entered Mode 6.
02/14	0455	The Reactor is de-fueled.
02/28	2359	Ended the month with Reactor de-fueled.

SHUTDOWNS AND POWER REDUCTIONS February 1995

DOCKET NO UNIT NAME DATE

50-529 PVNGS-2 03/10/95

COMPLETED BY TELEPHONE

B. S. Ecklund (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
95-01	02/04	S	599.9	С	2	N/A	N/A	N/A	Rx manually tripped to begin the fifth refueling outage.

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

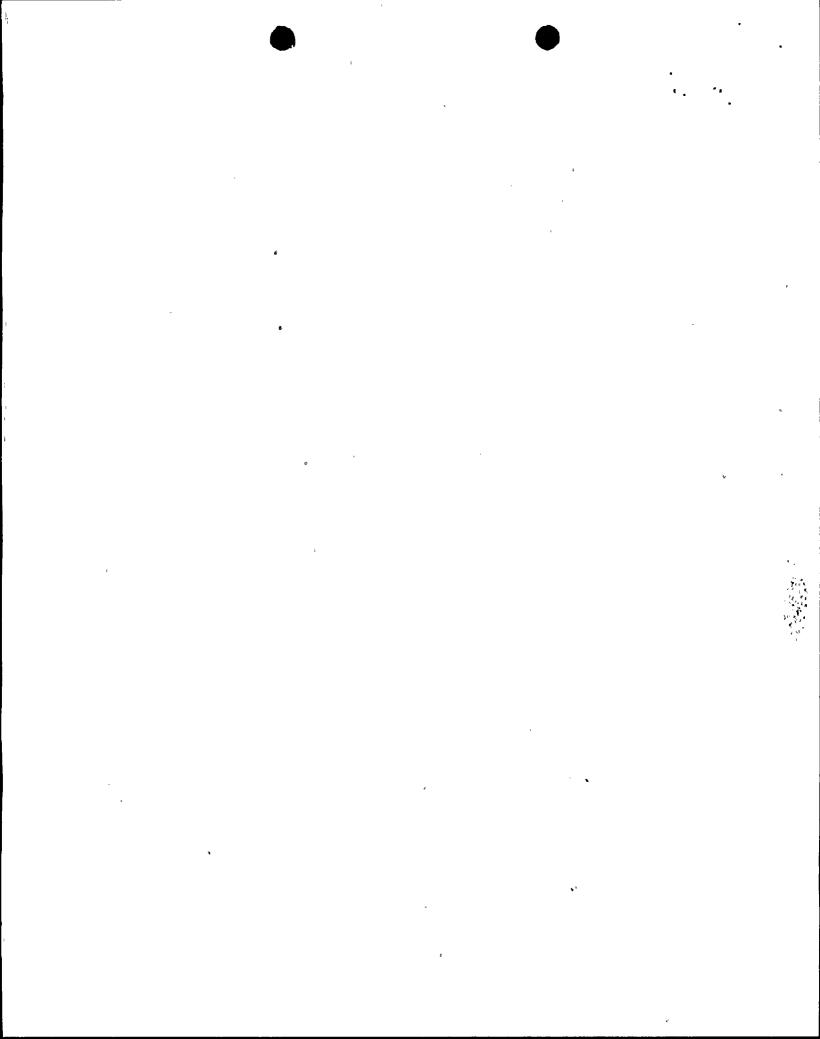
5-Reduction of 20% or Greater in the

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.
UNIT NAME
DATE
COMPLETED BY

TELEPHONE

50-530 PVNGS-3 03/10/95 B. S. Ecklund (602) 393-6221

OPERATING STATUS

1. Unit Name: Palo Verde Nuclear Generating Station, Unit 3

2. Reporting Period: February 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	672	1,416	62,616
12.	Hours Reactor was Critical	672.0	1416.0	46,430.0
13.	Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14.	Hours Generator was On-Line	672.0	1416.0	45,763.5
15.	Unit Reserve Shutdown Hours	0.0	0.0	0.0
16.	Gross Thermal Energy Generated (MWH)	2,552,770	5,358,739	167,135,672
17.	Gross Electrical Energy Generated (MWH)	886,500	1,866,500	58,398,200
18.	Net:Electrical:Energy Generated (MWH)	838,242	1,762,896	54,885,603
19.	Unit Service:Factor (%)	100.0%	100.0%	73.1%
20.	Unit Availability:Factor:(%)	100.0%	100.0%	73.1%
21.	Unit Capacity Factor (Using MDC Net)	102.2%	102.0%	71.8%
22.	Unit Capacity Factor (Using DER Net)	98.2%	98.0%	69.0%
23.	Unit Forced Outage Rate (%)	0.0%	0.0%	6.0%

24.	Shutdowns Scheduled Over Next 6 Months (Type, Date and I	N/A		
25.	If Shutdown At End of Report Period, Estimated Date of Start	-up: <u>N/A</u>		
	,	Forecast	Achieved	

INITIAL CRITICALITY
INITIAL ELECTRICITY
COMMERCIAL OPERATION

Forecast Achieved 07/87 10/25/87 07/87 11/28/87 09/87 01/08/88

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO.
UNIT NAME
DATE
COMPLETED BY
TELEPHONE

50-530 PVNGS-3 03/10/95 B. S. Ecklund (602) 393-6221

MONTH: February 1995

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

REFUELING INFORMATION

DOCKET NO.

COMPLETED BY

UNIT NAME

DATE

50-530

PVNGS-3

B. S. Ecklund

03/10/95

TELEPHONE (602) 393-6221 1. Scheduled date for next refueling shutdown. 10/14/95 5th refueling. 2. Scheduled date for restart following refueling. 12/23/95. Will refueling or resumption of operation thereafter require a Technical Specification change or other 3. license amendment? To be determined. Scheduled date for submitting proposed licensing action and supporting information. 4. June 1995, if required. Important Licensing considerations associated with refueling, e.g., new or different fuel design or 5. supplier, unreviewed design or performance analysis methods, significant changes in fuel design, and new operating procedures. None. The number of fuel assemblies. 6. 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 Projected date of last refueling that can be discharged to spent fuel 8. storage pool assuming present capacity. 2005 (18 Month reloads and full core discharge capability).

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

DOCKET NO. UNIT NAME DATE COMPLETED BY TELEPHONE

50-530 PVNGS-3 03/10/95 B. S. Ecklund (602) 393-6221

February 1995				
02/01	0000	Began the month with unit in Mode 1 at 100% power.		
02/05	0140	Reduced power to 99% as required to perform HI Rate Steam Generator Blow Down.		
02/05	0515	Returned Rx power to 100%.		
02/12	0138	Reduced power to 99% as required to perform HI Rate Steam Generator Blow Down.		
02/12	0309	Returned Rx power to 100%.		
02/18	2212	Reduced power to 99% as required to perform HI Rate Steam Generator Blow Down.		
02/18	2355	Returned Rx power to 100%.		
02/23	0122	Commenced down power for main turbine control valve testing.		
02/23	0130	Rx power is at 98%.		
02/23	0143	Commenced power increase from 98% to 100%.		
02/23	0155	Completed power increase - Rx power is at 100%.		
02/25	2227	Reduced power to 99% as required to perform HI Rate Steam Generator Blow Down.		
02/25	2344	Increased Rx power to 100%.		
02/28	2359	Ended month at 100% power.		

SHUTDOWNS AND POWER REDUCTIONS February 1995

DOCKET NO UNIT NAME DATE COMPLETED BY TELEPHONE

50-530 PVNGS-3 03/10/95 B. S. Ecklund (602)393-6221

и. 😜			Outage Duration		Method of Shutting Down		Svstem	Component	Cause and Corrective Action
No.	Date	Type1	Hours	Reason ²	Reactor ³	LER No.	Code ⁴	Code ⁵	to Prevent Occurrence

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

