. . . .

.*



88 P 419 - 4419

•				(
جر	REGULATORY	INFORMATION	DISTRIBUTION SYST	EM (RIDS)	
ACCESSION FACIL:S S AUTH.N COLVILL HAYNES, RECIP.1	N NBR:8712180047 IN-50-528 Palo Ver IN-50-529 Palo Ver IN-50-530 Palo Ver AME AUTHOR E,J.M. Arizona J.G. Arizona NAME RECIPIE	DOC.DATE: ^{**} 8 de Nuclear St de Nuclear St de Nuclear St AFFILIATION Nuclear Power Nuclear Power NT AFFILIATIO	7 /11/30 NOTARIZE ation, Unit 1, Ar ation, Unit 2, Ar ation, Unit 3, Ar Project (formerly N	D: NO izona Publi izona Publi izona Publi y Arizona Pul y Arizona Pul	DOCKET # 05000528 05000529 05000530 olic Serv olic Serv
SUBTECT	: Monthly operatin	a repts for N	OV 1987 W/871214	1tn.	R
DISTRIB	UTION CODE: IE24D	COPIES RECEI	VED:LTR ENGL	SIZE: 1	7 1
TITLE: 1	Monthly Operating	Report (per T	ech Specs)	-	D
NOTES:S S S	tandardized plant. tandardized plant. tandardized plant.				05000528 05000529 S 05000530
	RECIPIENT	COPIES	RECIPIENT	COPIES	Å
	PD5 LA LTCTTRA E	$\begin{array}{c} 1 \\ 1 \\ 1 \\ 0 \end{array}$	PD5 PD DAVIS.M	5 5 1 0	D
INTERNAL:	ACRS	10 10	AEOD/DOA	1 1	D
<	AEOD/DSP/TPAB NRR/DLPQ/PEB NRR/DREP/RPB REG FILE 01	1 1 1 1 1 1 1 1	ARM TECH ADV NRR/DOEA/EAB NRR/PMAS/ILRB RGN5	2 2 1 1 1 1 1 1	S
EXTERNAL:	DOE NE32 FULNER NRC PDR	1 1 1 1	LPDR NSIC	1 1 1 1	

1

1

NOTES:

Ι D S 1 Å

R

D

S

D



ţ • Ì

4

ŀ

ŀ

77. 11. 11.

ķ

NRC MONTHLY OPERATING REPORT

•			I I (]	DOCKET NO. JNIT NAME DATE COMPLETED BY FELEPHONE	50-528 <u>PVNGS-1</u> <u>12/10/87</u> J.M.Colville 602-393-2679
	OPER	ATING_STATUS			-
	1, 2. 3. 4. 5. 7. 8.	Unit Name: <u>Palo Verde Nucle</u> Reporting Period: <u>November</u> Licensed Thermal Power (MWt Nameplate Rating (Gross MWe Design Electrical Rating (N Maximum Dependable Capacity Maximum Dependable Capacity If Changes Occur In Capacit Since Last Report, Give Rea	ar <u>Generati</u> 1987): <u>3800</u>): <u>1403</u> et MWe): (Gross MWe (Net MWe): y Ratings (sons:	<u>1270</u> 3): <u>1303</u> 1221 (Items Number (<u>nit 1</u> 3 Through 7)
	9. 10.	Power Level to Which Restri Reasons For Restrictions, I	cted, If Ar f Any:	y (Net Mwe):	NONE
*			This Month	Yrto-Date	e Cumulative
	11. 12.	Hours in Reporting Period Number of Hours Reactor	720	8016	
	13.	Was Critical Reactor Reserve Shutdown	0.0	4,589.1	9,977.2
	14	Hours Hours	0.0	4 505 5	9 717 1
	14.	Unit Reserve Shutdown	0.0	0.0	
	16.	Gross Thermal Energy Generated (MWH)	0.0	16.140.694	. 35.032.837
	17.	Gross Electrical Energy Generated (MWH)	0.0	5.616.400	. 12.143.300 [°]
	18.	Net Electrical Energy Generated (MWH)	. 0.0	5.268.268.	5 11.327.924.6
	19.	Unit Service Factor	0.0%	56.2%	60.2%
	20.	Unit Availability Factor	0.0%	56.2%	60.2%
	21.	Unit Capacity Factor		_	
	- -	(Using MDC Net)	0.0%	53.8%	<u>57.5%</u> _
	22.	Unit Capacity Factor	0.0*	51 7%	55 2%
1	22	Unit Forced Outage Rate	0.0%		24.4%
	23.	Shutdowns Scheduled Over Ne	xt 6 Months	(Type. Date.	and Duration
	4-10	of Each): <u>Currently in refu</u>	eling shute	lown	
	25.	If Shutdown At End of Repor Estimated Mode 2 entry, 12/	t Period, E 28/87 To Commerce	stimated Date	of Startup:
	~···•				`
<u>}</u> 871218004	7 871	INITIAL CRITICALITY INITIAL ELECTRICITY CONTRCIAL OPERATION	v	Forecast 5/85 _6/85 _11/85	t Achieved 5/25/85_ 6/10/85_ 1/28/86_
PDR ADUC	V 000	ĎĊĎ 📙	•		at 1/c "

.

R

· · · · · ·

· / , • a . a

а. "

. **.** . · . · •, •

• · • • • • •

, ,

AVERAGE DAILY UNIT POWER LEVEL

	•	DOCKET NO.50-528UNIT NAMEPVNGS-1DATE12/10/87COMPLETED BYJ.M. ColvilleTELEPHONE602-393-2679
	<u>TH: November 1987</u>	•
DAY	AVERAGE DAILY POWER LEVEL	DAY AVERAGE DAILY POWER LEVEL
.1	0	
2	0	180
З,	O [_]	190
4	<u>.</u>	200
5	0	210
6	0	220
7	0	230
8	0	240
9	0	250
10	o`	26Q_`
11	0	270
12	·	280
13	Q	, 290,
14	O'	300
15	0	·

. •

• , 'n · · · ·

¢

° •

ų

۰ **،**

.

,

•

,

. **.**

• .

, • •

, ·

*

REFUELING INFORMATION

UNIT <u>PVNGS-1</u> DATE <u>12/10/87</u> COMPLETED BY J.M. Colville	DOCKET NO.	50-528
DATE .12/10/87 COMPLETED BY J.M. Colvill	UNIT	PVNGS-1
COMPLETED BY J.M. Colville	DATE	. 12/10/87
	COMPLETED BY	J.M. Colville
TELEPHONE 602-393-2679	TELEPHONE	602-393-2679

1. Scheduled date for next refueling shutdown.

10/02/87

- 2. Scheduled date for restart following refueling.
 - 01/01/88
- 3. Will refueling or resumption or operation thereafter require a Technical Specification change or other license amendment?

Yes

Required Technical Specifications are as follows:

5.3.1, 3/4.1.1.2, 3/4.1.1.3, 3/4.2.8, 3/4.1.3.1, 3/4.3.1, 3/4.1.3.6, 3/4.3.1, 2.1.1, 3/4.2.5, 3/4.2.1, 3/4.2.4, 3/4.2.7, 3/4.3.2

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

July 1, 1987

- 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.
 - a) Modification of the CPCs under the CPC Improvement Program (CIP) and the Statistical Combination of Uncertainties (SCU) Program.
 - b) Maximum peak pin fuel enrichment will be 4.05 w % U235.
 - c) The fuel vendor for the following next 5 reloads will be Combustion Engineering.

REFUELING INFORMATION.

DOCKET NO.	50-528
UNIT	PVNGS-1
DATE	12/10/87
COMPLETED BY	J.M. Colville
TELEPHONE	602-393-2679

(Continued)

- 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. <u>1329</u> Intended change in spent fuel storage capacity. <u>None</u>
- 8. Projected date of last refueling that can be discharged to spent fuel storage pool assuming present capacity.
 - 2006 (18 Months reloads and full core discharge capability).

9 - V , , , , , , . • • • • Ċ 、 · · •

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

DOCKET NO.	50-528
UNIT	PVNGS-1
DATE	12/10/87
COMPLETED BY	J.M. Colville
TELEPHONE	<u>602-393-2679</u>

November 1987

11/01

Unit in Refueling Outage - Mode 6.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO: 50-528 UNIT NAME: PVNGS-1 DATE: 12/10/87 COMPLETED BY: J.M. Colville TELEPHONE: 602-393-2679

No.	Date	Type ¹	Duration , Hours	Reason ²	Method of Shutting Down Reactor ³	LER NO.	System ₄ Code	Component ₅ Code	Cause and Corrective Action to Prevent Recurrence
10(C	ont.)	S	720	C	$\dot{\cdot}^1$	N/A	N/A	N/A	Unit shutadown due to Refueling Outage.

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 (Explain) JI-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 Data Entry Sheets for Licensce Event Report (LER) File (NUREG 0161) ⁵ Exhibit H-Same Source 	
-------------------------	---	---	--	--

. . .

•

16

\$

r D

NRC MONTHLY OPERATING REPORT

1

p.

50-529
PVNGS-2
12/10/87
J.M. Colville
602-393-2679

OPERATING STATUS

1. 2. 3. 4. 5. 6. 7. 8.	Unit Name: <u>Palo Verde Nucle</u> Reporting Period: <u>November</u> Licensed Thermal Power (MWt Nameplate, Rating (Gross MWe Design Electrical Rating (M Maximum Dependable Capacity Maximum Dependable Capacity If Changes Occur In Capacit Since Last Report, Give Rea	<pre>bar Generating 1987 2): 3800 3): 1403 Net MWe): / / (Gross MWe): / (Net MWe): / (Net MWe): / Ratings (It asons:</pre>	<u>1270</u> 1 <u>303</u> <u>1221</u> Lems Number 3	2 <u>2</u> Through 7)
9. 10.	Power Level to Which Restri Reasons For Restrictions, 1	icted, If Any If Any:	(Net MWe): <u>N(</u>	
		This Month	Yrto-Date	Cumulative
11,	Hours in Reporting Period	<u> </u>	8016	10512
12.	Number of Hours Reactor			
• •	Was Critical	657.8	6,241.2	8,531.1_
13.	Hours	0	· o '	0
14.	Hours Generator On-Line	644.1	6,115.2	8,382.2
15.	Unit Reserve Shutdown '			
	Hours	0,	0	0
16.	Gross Thermal Energy Generated (MWH)	2,400,712.	22,112,841.	30,407,847
17.	Gross Electrical Energy	,	н	
•	Generated (MWH)		7,746,100.	<u>10,674,270</u>
18.	Net Electrical Energy	700 075	7 050 040	10 002 684
10	Generated (MWH)		-/,200,090.	10,003,004
19.	Unit Service Factor	22-02-20	76 3%	79.7%
20.	Unit Capacity Factor	22200		
£	(Using MDC Net)	90.2%	74.1%	77.9%
22.	Unit Capacity Factor		الدر الدر الذر الذر الدر بين مي جو هو <u>الدر ال</u>	
	(Using DER Net)	86.7%	71.3%	74.9%
23.	Unit Forced Outage Rate	10.5%	7.0%	<u> </u>
24.	Shutdowns Scheduled Over Ne	ext 6 Months (Type, Date, a	nd Duration
	of Each): <u>Scheduled Date</u>	for next Refue	ling Shutdown	-2/21/88
	Duration_of_refue	<u>ling_shutdowr</u>	<u>approximatel</u>	<u>68 days</u>
25.	If Shutdown At End of Repor	rt Period, Est	imated Date of	: Startup:
26.	Units in Test Status (Prior	To Commercia	1 Operation):	
	,		Forecast	Achieved
•	INITIAL CRITICALITY	1	3/86	<u>4/18/86</u>
	INITIAL ELECTRICITY	•	6/86	5/20/86
	COMMERCIAL OPERATION		11/86	9/19/86



AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO.	50-529
UNIT i	PVNGS-2
DATE	12/10/87
COMPLETED BY	J.M. Colville
TELEPHONE	602-393-2679

MONTH: November 1987

DAY	AVERAGE	DAILY	POWER	LEVEL
1.	<u>1,</u> 2	262	×	
2 .	1,2	258		
з.	1,2	262		
4.	1,2	267		
5.	1,2	262		
6.	1,2	259		
7.	1,2	259	·	
8 _	1_2	263		
9.	1_2	259		
10	1,2	263		
11	1,2	259		
12	1;2	280	* ~~~	
13	1.2	255		
14 .	1_2	2 <u>63</u>		ay ayaa daab ahaa 674 678.
15	1,2	<u>267</u>		•• •• •• •• ••
16	1;2	263		

DAY AVERAGE DAILY POWER LEVEL
171,279
181,254
19 <u>1,266</u>
201,221
210
220
230
24351
251,216
261,262
27 <u>1,271</u>
281,266
291,266
30 1.271

'n 1 . **i** . • • N 14 2 · · · · • • • • • • . м – 9 х . • • • • • · · .

· . . .

| | "

REFUELING INFORMATION

DOCKET NO. UNIT /DATE COMPLETED BY TELEPHONE

50-529	
PVNGS-2	
12/10/87	
J.M. Colville	3
602-393-2679	

1. Scheduled date for next refueling shutdown.

02/20/88

2. Scheduled date for restart following refueling.

05/15/88

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

YES

What will these be?

3/4 1.1.2 , 3/4 1.1.3 , 3/4 2.8 , 3/4 1.3.1 , 3/4 3.1 , 3/4 1.36, 3/4 2.5 , 3/4 2.1 , 3/4 2.4 , 3/4 2.3 , 3/4 3.2 2.1.1.1

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

Not Yet 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.

Not Yet Determined

- 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.

2006 (18 Months reloads and full core discharge capability).

2 mg 8 • •••• . , / • v . · · · • d Ip • , , ŝ. • • • • • • 8.000 P • . • • • -1 - 1 - 6

e , a

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH .

.

DOCKET NO.	50-529
UNIT	PVNGS-2
DATE	12/10/87
COMPLETED BY	J.M. Colville
TELEPHONE	602-393-2679

•

November 1987

11/01		Unit in Mode 1 - Reactor Power 100%
` 11/21	0304	Commenced planned shutdown for maintenance to repair failed Reactor Coolant Pump speed sensors for the Channel B and D Core Protection Calculators. Entered Mode 2. Turbine off line.
11/21	0345	Entered Mode 3.
, 11/22	. 1721	Reactor Critical - Entered Mode 2.
11/22	1930	Entered Mode 1.
11/22	1940	Reactor trip with reactor power at 7%. Lo DNBR was first out due to auxiliary trip on Axial Shape Index. Entered Mode 3.
11/23	2015	Reactor Critical - Entered Mode 2.
11/23	2239	Entered Mode 1.
11/24	0657	Sychronized generator to grid.'
11/30	2400	Reactor Power 100%.

• • • •

•

.

, , , • • • •

. •

· •

.

•

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO: 50-529 UNIT NAME: PVNGS-2 DATE: 12/10/87 COMPLETED BY: J.M. Colville TELEPHONE: 602-393-2679

No.	Date	Type ¹	Duration • Hours	Reason ²	Method of Shutting Down Reactor ³	LER NO.	System ₄ Code	Component ₅ Code	Cause and Corrective Action to Prevent Recurrence
15	11/21	S	75.9	B	1	N/A	N/A	N/A ·	Commenced planned shutdown for . maintenance to repair failed Reactor Coolant Pump speed senes for the Channel B and D Core Pro- tection Calculators.
16	11/22	F	N/A	A, F	3	2-87-019	JD	CPU	Reactor trip with reactor power at 7%. Lo DNBR was first out due to auxiliary trip on Axial Shape Index.

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 (Explain) JI-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 Data Entry Sheets for Licensee Event Report (LER) File (NUREG 0161) ⁵ Exhibit II-Same Source 	•	
-------------------------	--	---	---	---	--



•	NRC MONTHLY C	PERATING REPO	ORT	
	• ` •	DOG UN DA CO TE	CKET NOÌ IT NAME TE MPLETED BY LEPHONE	50-530 PVNGS-3 12/10/87 J.M. Colville 602-393-2679
OPER	ATING STATUS			
1. 2. 3. 4. 5. 6. 7. 8.	Unit Name: <u>Palo Verde Nucle</u> Reporting Period: <u>November</u> Licensed Thermal Power (MWt Nameplate Rating (Gross MWe Design Electrical Rating (M Maximum Dependable Capacity Maximum Dependable Capacity If Changes Occur In Capacity Since Last Report, Give Res	ar <u>Generating</u> 1987 2): <u>3800</u> 3): <u>1403</u> Net MWe): 7 (Gross MWe) 7 (Net MWe): 29 Ratings (Insons:	<u>1270</u> 1 <u>303</u> <u>1221</u> tems Number 3	<u>nit 3</u> , B Through 7)
9. 10.	Power Level to Which Restri Reasons For Restrictions,]	icted, If Any If Any:	(Net MWe): _	NONE
	,	This Month	Yrto-Date	e Cumulative
11. 12.	Hours in Reporting Period Number of Hours Reactor	720	`5304	5304
13.	Was Critical Reactor Reserve Shutdown	· <u> 147.1 </u>	244.9	244.9
14. 15.	Hours Hours Generator On-Line Unit Reserve Shutdown	14.1_	<u>14.1</u>	14.1
16.	Hours Gross Thermal Energy	0	0	0
17.	Generated (MWH) Gross Electrical Energy		51802	<u>51802</u>
18.	Generated (NWH) Net Electrical Energy Generated (MWH)	<u>1200</u> ``		± <u>4</u> ×× 0
19. 20.	Unit Service Factor Unit Availability Factor	O	<u>0</u>	0
21.	Unit Capacity Factor (Using MDC, Net) Unit Capacity Factor	0	<u>0</u>	Q
23.	(Using DER Net) Unit Forced Outage Rate	00	<u>0</u>	O
24.	Shutdowns Scheduled Over Ne of Each):	ext 6 Months	(Type, Date,	and Duration
25.	If Shutdown At End of Report	rt Period, Es	timated Date	of Startup:
26.	Units in Test Status (Prior	r To Commerci	al Operation)	»:

Forecast Achieved _07/87__ 10/25/87_ INITIAL CRITICALITY 07/87 09/87 11/28/87 COMMERCIAL OPERATION

INITIAL ELECTRICITY

. • ب

•

• . • • •

• 4 * • • • •

, • • • 8

•

ي نو

٩

٨

.

•

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO.	50-530
UNIT	PVNGS-3
DATE	12/10/87
COMPLETED BY	J.M. Colville
TELEPHONE	602-393-2679

MONTH: November 1987

DAY	AVERAGE	DAILY	POWER	LEVEL	
1.					
2.					
з.		<u>o</u>			
4 .		<u>_</u> 0			
5.		<u> 0 </u>			
6.		<u></u>			
7,		<u> </u>			
8		<u> </u>			
9.	·	<u>0</u>			
10		<u></u> `		, ·	•
11	ہ 				
12		<u> 0 </u>	,	, 	
13					
14		<u>, 0</u>			
15		0			
16		0			

DAY	AVERAGE	DAILY	POWER	LEVEL
17	· · · · · · · · · · · · · · · · · · ·	<u>o`</u>		
18 _		<u>o</u>		
19 _		o	T	
20		<u></u>		
21		<u>0</u>		والمر النام اللي النام البار وا
22 _		<u> </u>		
23 _		<u>o</u>		
24 _		<u></u>		
25 _		<u>o</u>		•
26		<u>o</u>	•	
27		<u>0</u>		** *** *** *** ***
28		<u>0</u>		
29 _		0		
зо _		<u>0</u>		

. • · ,

Ň

• · · 8

.

n at

• • ,

• • • • • • • •

• •

• • • •

.* •

REFUELING INFORMATION

DOC	KET NO.	50-530
UNI	Т	PVNGS-3
DAT	E	12/10/87
COM	PLETED BY	J.M. Colville
TEL	EPHONE	602-393-2679

1. Scheduled date for next refueling shutdown.

02/25/89

2. Scheduled date for restart following refueling.

05/05/89

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

Not Yet Determined

What will these be?

Not Yet Determined

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

Not Yet 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.

Not Yet Determined

6. The number of fuel assemblies.

a) In the core. <u>241</u>

- 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.

2007 (18 Months reloads and full core discharge capability). .

. .

,

1

b

• •

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

DOCKET NO.	50-530
UNIT	PVNGS-3
DATE	12/10/87
COMPLETED BY	J.M. Colville
TELEPHONE	602-393-2679

November 1987

11/01	0000	Unit in Modé 3
11/23	2055	Reactor Critical - Entered Mode 2.
11/26	0525	Entered Mode 1.
11/28	2206	Synchronized Main Generator to Grid - Reactor Power 10%.
11/28	2308	Main Turbine tripped on High Vibration Isolation.
11/29	1520	Synchronized Main Generator to Grid.
11/29	1556	Main Turbine tripped on Generator Protection (Volts/Hertz)
11/30	0432	Synchronized Main Generator to Grid.
11/30	0554	Manually tripped the Main Turbine due to excessive vibration on low pressure turbine bearings 5,6,7,8, generator output breakers opened, generator, de-excited.
11/30	1257	Synchronized Main Generator to Grid.

|

DOCKET NO: 50-530 UNIT NAME: PVNGS-3 DATE: 12/10/87 COMPLETED BY: J.M. Colville TELEPHONE: 602=393-2679

No.	Date	Type ¹	Duration • Hours	Reason ²	Method of Shutting Down Reactor ³	LER NO.	System ₄ Code	Component ₅ Code	Cause and Corrective Action to Prevent Recurrence
1	11/28	F	16.2	A	N/A	N/A	N/A	N/A	Main Turbine trip on High Vibration Isolation.
2	11/29	F	12.6	A ,	N/A	N/A	N/A	N/A	Main Turbine trip on Generator Protection (Volts/Hertz).
3	11/30	F	7	A	N∲A	N/A _.	N/A	N/A	Manually tripped the Main Turbine due to excessive vibration on low pressure turbine bearings 5,6,7,8 generator output breakers opened, generator de-excited.

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 (Explain) JI-Other (Explain)	³ Method: I-Manual 2-Manual Scram 3-Automatic Scram 4-Continuation from Previous Month 5-Reduction of 20% or Greater in the Past 24 Nours 9-Other (Explain)	 ⁴ Exhibit F - Instructions for Preparation of Data Entry Sheets for Licensce Event Report (LER) File (NUREG 0161) ⁵ Exhibit N-Same Source 	



 \mathcal{A}

.

۰ ۰

1

-

• •

•

. .

.

.

۰ ۰



Arizona Nuclear Power Project P.O. BOX 52034 • PHOENIX, ARIZONA 85072-2034

> December 14, 1987 212-00040-JGH/TJB

Docket Nos. STN 50-528/529/530

U.S. Nuclear Regulatory Commission Washington, D.C. 20555

Attention: Document Control Desk

Gentlemen:

Subject: Palo Verde Nuclear Generating Station (PVNGS) Units 1, 2 and 3 November 1987, Monthly Operating Report File: 87-024-404; 87-056-026

Attached is the November 1987, Monthly Operating Reports 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,

James

J. G. Haynes Vice President Nuclear Production

JGH/TJB/rw Attachments

cc: O. M. De Michele (all w/a)
E. E. Van Brunt, Jr.
J. B. Martin
E. A. Licitra
A. C. Gehr
J. A. Amenta
INPO Records Center



Ş

4.1.7 2

44

.

•

• .

- -

. •

. st •

.

,

•