DOCKET NO. 50-361

UNIT SONGS - 2

DATE February 15, 1985

COMPLETED BY R. J. Maisel

TELEPHONE (714) 492-7700

Ext. 56657

OPERATING STATUS

Reporting Period: January 1985	Station, Un		
Licensed Thermal Power (MWt):	3390		
Nameplate Rating (Gross MWe):	1127		
Design Electrical Rating (Net MWe):	1070		
Maximum Dependable Capacity (Gross MWe):	1127		
Maximum Dependable Capacity (Net MWe):	1070	Thursday 71	
If Changes Occur In Capacity Ratings (Item	s Number 3	inrough /)	
Since Last Report, Give Reasons:		NA	
		IVA	
Power Level To Which Restricted, If Any (N	et MWe):	NA	
Reasons For Restrictions, If Any:		NA	
T	his Month	Yrto-Date	Cumulative
Hours In Reporting Period	744	744	12,793
Number Of Hours Reactor Was Critical	0	0	7,645.2
Reactor Reserve Shutdown Hours	0	0	0
Hours Generator On-Line	0	0	7,492.4
Unit Reserve Shutdown Hours	0	0	0
Gross Thermal Energy Generated (MWH)	0	0	24,272,703.3
Gross Electrical Energy Generated (MWH)	0	0	8,210,308.5
Net Electrical Energy Generated (MWH)	-3,547	-3,547	7,761,401
Unit Service Factor	0	0	58.5 58.5
linit Availability Factor	U	Commence in the Commence of th	56.7
Unit Availability Factor Unit Capacity Factor (Using MDC Net)	0	0	
Unit Capacity Factor (Using MDC Net)	0	0	
Unit Capacity Factor (Using MDC Net) Unit Capacity Factor (Using DER Net)	0 0	0 0	56.7
Unit Capacity Factor (Using MDC Net) Unit Capacity Factor (Using DER Net) Unit Forced Outage Rate	0 0	0 0	56.7
Unit Capacity Factor (Using MDC Net) Unit Capacity Factor (Using DER Net) Unit Forced Outage Rate Shutdowns Scheduled Over Next 6 Months (Ty	0 0 pe, Date, a	0 0 nd Duration of	56.7 3.9 f Each):
Unit Capacity Factor (Using MDC Net) Unit Capacity Factor (Using DER Net) Unit Forced Outage Rate	0 0 pe, Date, a	0 0 nd Duration of	56.7 3.9 f Each):
Unit Capacity Factor (Using MDC Net) Unit Capacity Factor (Using DER Net) Unit Forced Outage Rate Shutdowns Scheduled Over Next 6 Months (Ty Refueling, October 21, 1984, 4-1/2-month If Shut Down At End Of Report Period, Esti	0 0 pe, Date, a duration (no	0 0 nd Duration of ow in progress of Startup:	56.70 3.9 f Each): s).
Unit Capacity Factor (Using MDC Net) Unit Capacity Factor (Using DER Net) Unit Forced Outage Rate Shutdowns Scheduled Over Next 6 Months (Ty Refueling, October 21, 1984, 4-1/2-month	0 0 pe, Date, a duration (no	0 0 nd Duration of ow in progress	56.7 3.9 f Each): s).
Unit Capacity Factor (Using MDC Net) Unit Capacity Factor (Using DER Net) Unit Forced Outage Rate Shutdowns Scheduled Over Next 6 Months (Ty Refueling, October 21, 1984, 4-1/2-month If Shut Down At End Of Report Period, Esti Units In Test Status (Prior To Commercia)	0 0 pe, Date, a duration (no	of Startup: Forecast	56.7 3.9 f Each): s). 3/12/85 Achieved
Unit Capacity Factor (Using MDC Net) Unit Capacity Factor (Using DER Net) Unit Forced Outage Rate Shutdowns Scheduled Over Next 6 Months (Ty Refueling, October 21, 1984, 4-1/2-month If Shut Down At End Of Report Period, Esti	0 0 pe, Date, a duration (no	0 0 nd Duration of ow in progress of Startup:	56.7 3.9 f Each): s). 3/12/85 Achieved

2941u

1224

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO.	50-361
UNIT	SONGS - 2
DATE Febru	uary 15, 1985
COMPLETED BY	R. J. Maisel
TELEPHONE	(714) 492-7700 Ext. 56657

MONTH January 1985

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0	17 _	0
2	0	18 _	0
3	0	19 _	0
4	0	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	29	0
14	0	30	0
15	0	31	0
16	0		

UNIT SHUTDOWNS AND POWER REDUCTIONS REPORT MONTH JANUARY 1985

DOCKET NO. 50-361
UNIT NAME SONGS - 2
DATE FEBRUARY 15, 1985
COMPLETED BY R. J. Maisel
TELEPHONE (714) 492-7700
Ext. 56657

No.	Date	1 Type	Duration (Hours)	2 Reason	Method of Shutting Down 3 Reactor	LER No.	System 4 Code	Component 4 Code	Cause & Corrective Action to Prevent Recurrence
9	841020	s	744	С	4	NA	NA	NA	Refueling

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)
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)

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

361
- 2
se1
700
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Date/Time	Event
January 1, 0001	The unit is defueled in day 73 of a refueling/design change outage.
January 17, 1130	Entered Mode 6, commenced core alterations/refueling.
January 31, 2359	Unit in Mode 6, core alterations/refueling in progress.

REFUELING INFORMATION

DOCKET	NO.		50-361
UNIT		S	DNGS - 2
DATE	Februa	iry 15,	1985
COMPLE	TED BY	R. J	. Maisel
TELEPHO	ONE		492-7700
		EXI	t. 56657

Scheduled date for next refueling shutdown.

Not yet determined.

2. Scheduled date for restart following refueling.

Not yet determined.

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

Not yet determined.

What will these be?

Not yet determined.

 Scheduled date for submitting proposed licensing action and supporting information.

Not yet determined.

 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. 217
 - b) In the spent fuel storage pool. 72
- Licensed spent fuel storage capacity. 800

Intended change in spent fuel storage capacity. NA

 Projected date of last refueling that can be discharged to spent fuel storage pool assuming present capacity.

Approximately 1997.

DOCKET NO. 50-362
UNIT NAME SONGS - 3
DATE February 15, 1985
COMPLETED BY R. J. Maisel
TELEPHONE (714) 492-7700
Ext. 56657

OPERATING STATUS

Reporting Period: January 1985							
Licensed Thermal Power (MWt):	3390 1127						
Nameplate Rating (Gross MWe):							
	Design Electrical Rating (Net MWe): 1080						
Maximum Dependable Capacity (Gross MW							
Maximum Dependable Capacity (Net MWe)							
If Changes Occur In Capacity Ratings	(Items Number 3	Through 7)					
Since Last Report, Give Reasons:							
		NA					
Power Level To Which Restricted, If Ar	ny (Net MWe):	NA					
Reasons For Restrictions, If Any:		NA					
	This Month	Yrto-Date	Cumulativ				
Hours In Reporting Period	744	744	7,344				
Number Of Hours Reactor Was Critical	641.83	641.83	5,062				
Reactor Reserve Shutdown Hours	0	0	0				
Hours Generator On-Line	641.67	641.67	4,747.62				
Unit Reserve Shutdown Hours	0	0	0				
Gross Thermal Energy Generated (MWH)	2,106,963	2,106,963	15,168,551.4				
Gross Electrical Energy Generated (MWH) Net Electrical Energy Generated (MWH)	The state of the s	720,234.5	5,087,066				
Unit Service Factor	684,420	684,420 86.25	4,784,790				
Unit Availability Factor	86.25	86.25	64.65				
Unit Capacity Factor (Using MDC Net)	85.18	85.18	60.33				
Unit Capacity Factor (Using DER Net)	85.18	85.18	60.33				
Unit Forced Outage Rate	13.75	13.75	3.76				
Shutdowns Scheduled Over Next 6 Months	(Type, Date, a	nd Duration of	Each):				
	NA						
If Shut Down At End Of Report Period,	Estimated Date	of Startup:	N/A				
Units In Test Status (Prior To Commerc	cial Operation):	Forecast	Achieved				
		NA	NA				
INITIAL CRITICALITY		IVA	IVA				
INITIAL CRITICALITY INITIAL ELECTRICITY		NA NA	NA NA				

AVERAGE DAILY UNIT POWER LEVEL

50-36	-
SONGS -	3
985	
). Maise	1
492-770	0 7
	985 J. Maise 492-7700

MONTH January 1985

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1,093.00	17	1,091.88
2	1,096.38	18	1,067.94
3	1,093.52	19	1,099.77
4	1,092.71	20 _	1,069.79
5	668.40	21	1,148.85
6	948.40	22 _	1,060.54
7	1,095.42	23	1,096.44
8	1,101.85	24	1,090.83
9	1,095.21	25	1,071.25
10	1,081.52	26	1,095.42
11	1,034.29	27	741.42
12	1,090.29	28	0
13	1,092.23	29	0
14	1,095.10	30	0
15	1,091.69	31	0
16	1,095.92		
2941u			

UNIT SHUTDOWNS AND POWER REDUCTIONS REPORT MONTH JANUARY 1985

DOCKET NO. 50-362
UNIT NAME SONGS - 3
DATE February 15, 1985
COMPLETED BY R. J. Maisel
TELEPHONE (714) 792-7700
Ext. 56657

4 IEEE Std 803-1983

No.	Date	Type 1	Duration (Hours)	2 Reason	Method of Shutting Down 3 Reactor	LER No.	System 4 Code	Component 4 Code	Cause & Corrective Action to Prevent Recurrence
11	850105	S	0	В	5	NA	NA	NA	Load reduction for various surveillance and maintenance activities.
12	850127	f	102.33	A	1	85-002	AB	XCV	Packing leak on Pressurizer Spray Valve 3PV 0100B exceeding Technical Specification LCO 3.4.5.2. The packing will be replaced during this shutdown. During the first refueling outage the valve bonnet and packing configuration will be modified to prevent recurrence.

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)
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)

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

DOCKET NO.	50-362
UNIT	SONGS - 3
DATE Febru	ary 15, 1985
COMPLETED BY	R. J. Maisel
TELEPHONE	(/14) 492-7700 Ext. 56657

Date/Time	Event
January 1, 0001	The unit is in Mode 1 at 100% power, 1144 MWe gross.
January 4, 2055	Commenced load reduction to 60% for turbine stop and governor valve surveillance, CEA rod exercise and repair feedwater leak on KOO5 discharge valve.
January 5, 0610	Load reduction to 60% completed.
January 6, 0446	Commenced power increase to 100%. Maintenance and surveillance activities complete.
January 6, 1300	Unit at 100% power, 1146 Mwe gross.
January 11, 2100	Initiated load reduction to 90% power in preparation for turbine stop and governor valve testing.
January 11, 2256	Completed turbine stop and governor valve testing and commenced power increase to 100% power.
January 12, 0020	Unit is at 100% power.
January 18, 1815	Initiated load reduction to 90% power in preparation for turbine stop and governor valve testing.
January 18, 2150	Completed turbine stop and governor valve testing and commenced power increase to 100% power.
January 18, 2315	Unit is at 100% power.
January 23, 1425	Initiated power reduction to 95.5% due to high oil temperature on high pressure turbine stop valve 3UV-2200B.
January 23, 1555	Backflush of cooling water stainer corrected temperature problem. Commenced power increase to 100%.
January 23, 1750	Unit is at 100% power.
January 25, 1945	Initiated load reduction to 90% power in preparation for turbine stop and governor valve testing.
January 25, 2215	Completed turbine stop and governor valve testing, and commenced power increase to 100% power.
January 25, 0001	Unit is at 100% power.

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH (Continued)

January	27	1412	Unusual event declared due to excessive RCS unidentified leakage on Pressurizer Spray Valve 3PV-0100B packing gland.
January	27	1740	Turbine generator taken off-line.
January	27	1742	Entered Mode 2.
January	27	1750	Entered Mode 3.
January	28	0240	Entered Mode 4.
January	29	0420	Entered Mode 5.
January	31	2359	Unit is in Mode 5, preparations in progress to drain the reactor coolant system to mid-loop for replacement of reactor coolant pump seals, and repair of the pressurizer spray valve packing leak.

REFUELING INFORMATION

DOCKET	NO.	50-362
UNIT		SONGS - 3
DATE	Februa	ry 15, 1985
COMPLE	TED BY	R. J. Maisel
TELEPH	ONE	(714) 492-7700 Ext. 56657
		EAG. 30037

1. Scheduled date for next refueling shutdown.

Not yet determined.

Scheduled date for restart following refueling.

Not yet determined.

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

Not yet determined.

What will these be?

Not yet determined.

 Scheduled date for submitting proposed licensing action and supporting information.

Not yet determined.

 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. 217
 - b) In the spent fuel storage pool. 0
- Licensed spent fuel storage capacity. 800

Intended change in spent fuel storage capacity. NA

 Projected date of last refueling that can be discharged to spent fuel storage pool assuming present capacity.

NA

DOCKET NO. 50-361

UNIT SONGS - 2

DATE 1/14/85 (as revised 2/15/85)

COMPLETED BY L. I. Mayweather TELEPHONE (714) 492-7700 Ext. 56264 OPERATING STATUS Unit Name: San Onofre Nuclear Generating Station, Unit 2 2. Reporting Period: December 1984 Licensed Thermal Power (MWt): 3390 3. Nameplate Rating (Gross MWe): 1127 4. 1070 Design Electrical Rating (Net MWe): 5. 1127 6. Maximum Dependable Capacity (Gross MWe): Maximum Dependable Capacity (Net MWe): 7. 1070 If Changes Occur In Capacity Ratings (Items Number 3 Through 7) 8. Since Last Report, Give Reasons: NA Power Level To Which Restricted, If Any (Net MWe): 10. Reasons For Restrictions, If Any: This Month Yr.-to-Date Cumulative Hours In Reporting Period 744 8,784 12,049 11. 7,645.22* 5,272.52 0 Number Of Hours Reactor Was Critical 12. Reactor Reserve Shutdown Hours 0 0 13. 5,170. 7,492.47* Hours Generator On-Line 0 14. Unit Reserve Shutdown Hours 15. 16,584,748.3 24,272,703.3 * 5,577,911.5 8,210,308.5 * 5,267.291 7,764,948 * Gross Thermal Energy Generated (MWH) 16. Gross Electrical Energy Generated (MWH) 0 17. Net Electrical Energy Generated (MWH) -2,248 18. 58.87 62.18* 19. Unit Service Factor 0 58.87 20. Unit Availability Factor 62.18* Unit Capacity Factor (Using MDC Net)
 Unit Capacity Factor (Using DER Net) 56.04 60.23* 60.23* 56.04 a 3.88 23. Unit Forced Outage Rate 3.97* 24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): Refueling, October 21, 1984, 3-1/2-month duration (now in progress). 25. If Shut Down At End Of Report Period, Estimated Date of Startup: 2/8/85 Units In Test Status (Prior To Commercial Operation): Forecast Achieved 26. INITIAL CRITICALITY NA NA INITIAL ELECTRICITY NA NA COMMERCIAL OPERATION NA NA

Based on California Public Utilities Commission Decision 84-12-060, these values

have been revised to reflect an August 18, 1983 commercial operation date. The previous values were based on an August 8, 1983 commercial operation date.

DOCKET NO. 50-361 UNIT SONGS - 2 DATE 12/13/84 (as revised 2/15/85) COMPLETED BY L. I. Mayweather TELEPHONE (714) 492-7700 Ext. 56264

OPERATING STATUS

Unit Name: San Onofre Nuclear Generatin Reporting Period: November 1984 Licensed Thermal Power (MWt): Nameplate Rating (Gross MWe): Design Electrical Rating (Net MWe): Maximum Dependable Capacity (Gross MWe): Maximum Dependable Capacity (Net MWe): If Changes Occur In Capacity Ratings (It Since Last Report, Give Reasons:	3390 1127 1070 1127 1070		
		NA	
Power Level To Which Restricted, If Any Reasons For Restrictions, If Any:	(Net MWe):	NA NA	
	This Month	Yrto-Date	e Cumulative
Hours In Reporting Period	720	8,040	11,305
Number Of Hours Reactor Was Critical Reactor Reserve Shutdown Hours	0	5,272.52	7,645.22
Hours Generator On-Line	0	5,170.77	7,492.47
Unit Reserve Shutdown Hours	0	0	0
Gross Thermal Energy Generated (MWH) Gross Electrical Energy Generated (MWH)	0	5,577,911.5	24,272,703.3 8,210,308.5
Net Electrical Energy Generated (MWH)	-3,104	5,269,539	7,767,196
Unit Service Factor	0	64.31	66.28
Unit Availability Factor	0	64.31 61.25	66.28
Unit Capacity Factor (Using MDC Net) Unit Capacity Factor (Using DER Net)	0	61.25	64.21
Unit Forced Outage Rate	0	3.88	3.97
Shutdowns Scheduled Over Next 6 Months (Refueling, October 21, 1984, 3-1/2-mont	Type, Date, h duration	and Duration (now in progre	of Each): ss).
If Shut Down At End Of Report Period, Es Units In Test Status (Prior To Commercia			2/8/85 t Achieved
INITIAL CRITICALITY INITIAL ELECTRICITY		and the second s	A NA
COMMERCIAL OPERATION	J		NA NA

Based on California Public Utilities Commission Decision 84-12-060, these values have been revised to reflect an August 18, 1983 commercial operation date. The previous values were based on an August 8, 1983 commercial operation date.

DOCKET NO. 50-361

UNIT SONGS - 2

DATE 11/13/84 (as revised 2/15/85) COMPLETED BY L. I. Mayweather TELEPHONE (714) 492-7700 Ext. 56264 OPERATING STATUS Unit Name: San Onofre Nuclear Generating Station, Unit 2 2. Reporting Period: October 1984 3390 3. Licensed Thermal Power (MWt): 1127 4. Nameplate Rating (Gross MWe): 1070 5. Design Electrical Rating (Net MWe): 1127 Maximum Dependable Capacity (Gross MWe): 6. Maximum Dependable Capacity (Net MWe): 1070 7. If Changes Occur In Capacity Ratings (Items Number 3 Through 7) 8. Since Last Report, Give Reasons: NA Power Level To Which Restricted, If Any (Net MWe): NA NA 10. Reasons For Restrictions, If Any: This Month Yr.-to-Date Cumulative 7,320 11. Hours In Reporting Period 745 10,585 5,272.52 7,645.22* 12. Number Of Hours Reactor Was Critical 472.97 13. Reactor Reserve Shutdown Hours 0 0 ,492.47* 5,170.77 Hours Generator On-Line 14. 15. Unit Reserve Shutdown Hours 1,253,483.3 16,584,748.3 5,577,911.5 5,272,643 24,272,703.3 16. Gross Thermal Energy Generated (MWH) 8,210,308.5 * 7,770,300 * Gross Electrical Energy Generated (MWH) 449,782 17. Net Electrical Energy Generated (MWH) 423,611 18. 70.78* 63.47 70.64 Unit Service Factor 19. 70.78* 63.47 70.64 Unit Availability Factor 20. Unit Capacity Factor (Using MDC Net) Unit Capacity Factor (Using DER Net) 67.32 68.61* 21. 53.14 53.14 67.32 68.61* 22. 3.97* 3.88 23. Unit Forced Outage Rate Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): 24. Refueling, October 21, 1984, 3-1/2-month duration (now in progress). 25. If Shut Down At End Of Report Period, Estimated Date of Startup: 2/8/85 26. Units In Test Status (Prior To Commercial Operation): Forecast Achieved

* Based on California Public Utilities Commission Decision 84-12-060, these values have been revised to reflect an August 18, 1983 commercial operation date. The previous values were based on an August 8, 1983 commercial operation date.

NA

NA

NA

NA NA

NA

INITIAL CRITICALITY

INITIAL ELECTRICITY

COMMERCIAL OPERATION

DOCKET NO. 50-361

UNIT SONGS - 2

DATE 10/11/84 (as revised2/15/85) COMPLETED BY L. I. Mayweather TELEPHONE (714) 492-7700 56264 Ext. OPERATING STATUS Unit Name: San Onofre Nuclear Generating Station, Unit 2 2. Reporting Period: September 1984 Licensed Thermal Power (MWt): 3390 1127 Nameplate Rating (Gross MWe): 4. 5. 1070 Design Electrical Rating (Net MWe): Maximum Dependable Capacity (Gross MWe): 1127 6. Maximum Dependable Capacity (Net MWe): 7. 1070 If Changes Occur In Capacity Ratings (Items Number 3 Through 7) 8. Since Last Report, Give Reasons: NA Power Level To Which Restricted, If Any (Net MWe): 10. Reasons For Restrictions, If Any: NA Yr.-to-Date Cumulative This Month 6,575 11. Hours In Reporting Period 9,840 4,799.55 7,172.25* Number Of Hours Reactor Was Critical 720 12. Reactor Reserve Shutdown Hours 0 13. 0 0 7,019.6 * 720 4,697.9 Hours Generator On-Line 14. 15. Unit Reserve Shutdown Hours 0 0 2,405,237 23,019,220 Gross Thermal Energy Generated (MWH) 15,331,265 Gross Electrical Energy Generated (MWH) 789,413.5 5,128,129.5 7,760,526.5 7,346,689 17. 4,849,032 71.45 Net Electrical Energy Generated (MWH) 751,545 18. 71.34* Unit Service Factor 100 19. 71.34* 71.45 20. Unit Availability Factor 100 21. Unit Capacity Factor (Using MDC Net) 97.55 68.92 69.78* 22. Unit Capacity Factor (Using DER Net) 97.55 68.92 69.78* 0 4.25 4.22* 23. Unit Forced Outage Rate 24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): Refueling, October 21, 1984, 3-1/2-month duration 25. If Shut Down At End Of Report Period, Estimated Date of Startup: 26. Units In Test Status (Prior To Commercial Operation): Forecast Achieved INITIAL CRITICALITY NA NA

NA

NA

NA

NA

INITIAL ELECTRICITY

COMMERCIAL OPERATION

^{*} Based on California Public Utilities Commission Decision 84-12-060, these values have been revised to reflect an August 18, 1983 commercial operation date. The previous values were based on an August 8, 1983 commercial operation date.

DOCKET NO. 50-361 UNIT SONGS - 2 DATE 9/13/84 (as revised 2/15/85) COMPLETED BY L. I. Mayweather TELEPHONE (714) 492-7700 Ext. 56264

OPERATING STATUS

Reporting Period: August 1984 Licensed Thermal Power (MWt): Nameplate Rating (Gross MWe): Design Electrical Rating (Net MWe): Maximum Dependable Capacity (Gross MWe) Maximum Dependable Capacity (Net MWe): If Changes Occur In Capacity Ratings (Is Since Last Report, Give Reasons:	1070	Through 7)	
		NA	
Power Level To Which Restricted, If Any Reasons For Restrictions, If Any:	(Net MWe):	NA NA	
	This Month	Yrto-Date	Cumulative
Hours In Reporting Period	744	5,855	9,120
Number Of Hours Reactor Was Critical Reactor Reserve Shutdown Hours	700.05	4,079.55	6,452.25
Hours Generator On-Line	692.08	3,977.9	6,299.6
Unit Reserve Shutdown Hours	0	0	0
Gross Thermal Energy Generated (MWH)	2,234,711	12,926,028	20,613,983
Gross Electrical Energy Generated (MWH) Net Electrical Energy Generated (MWH)	733,464.5 695,670	4,338,716	6,971,113 6,595,144
Unit Service Factor	93.02	67.94	69.07
Unit Availability Factor	93.02	67.94	69.07
Unit Capacity Factor (Using MDC Net)	87.39	65.40 65.40	67.58
Unit Capacity Factor (Using DER Net) Unit Forced Outage Rate	87.39 6.98	4.99	67.58
Shutdowns Scheduled Over Next 6 Months Refueling, October 19, 1984, 3-1/2-mon	(Type, Date,	and Duration o	f Each):
If Shut Down At End Of Report Period, E			N/A
Units In Test Status (Prior To Commerci	al Operation)	Forecast	Achieved
INITIAL CRITICALITY		NA NA	NA
INITIAL ELECTRICITY		N/A	NA NA
COMMERCIAL OPERATIO	N	N/	NA NA

* Based on California Public Utilities Commission Decision 84-12-060, these values have been revised to reflect an August 18, 1983 commercial operation date. The previous values were based on an August 8, 1983 commercial operation date.

DOCKET NO. 50-361

UNIT SONGS - 2

DATE 8/13/84 (as revised 2/15/85) COMPLETED BY L. I. Mayweather TELEPHONE (714) 492-7700 Ext. 56264 OPERATING STATUS Unit Name: San Onofre Nuclear Generating Station, Unit 2 1. 2. Reporting Period: July 1984 3. Licensed Thermal Power (MWt): 3390 1127 Nameplate Rating (Gross MWe): 4. 1070 Design Electrical Rating (Net MWe): 5. 1127 Maximum Dependable Capacity (Gross MWe): 6. Maximum Dependable Capacity (Net MWe): 1070 7. If Changes Occur In Capacity Ratings (Items Number 3 Through 7) 8. Since Last Report, Give Reasons: 9. Power Level To Which Restricted, If Any (Net MWe): NA NA 10. Reasons For Restrictions, If Any: This Month Yr. -to-Date Cumulative 11. Hours In Reporting Period 744 5,111 8,376 3,379.5 5,752.2 * 12. Number Of Hours Reactor Was Critical 150.02 0 Reactor Reserve Shutdown Hours 0 0 13. 5,607.52* 3,285.82 Hours Generator On-Line 14. 15. Unit Reserve Shutdown Hours 0 0 18,379,272 377,677 10,691,317 16. Gross Thermal Energy Generated (MWH) 6,237,648.5 * 120,323 3,605,251.5 3,401,817 Gross Electrical Energy Generated (MWH) 17. 5,899,474 Net Electrical Energy Generated (MWH) 102,468 18. 64.29 17.61 17.61 66.95* 19. Unit Service Factor 64.29 66.95* 20. Unit Availability Factor 12.87 Unit Capacity Factor (Using MDC Net)
 Unit Capacity Factor (Using DER Net) 65.83* 62.20 12.87 65.83* 4.55 4.39* 23. Unit Forced Outage Rate 0 Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): 24. Refueling, October 1984 4 month duration. N/A 25. If Shut Down At End Of Report Period, Estimated Date of Startup: Units In Test Status (Prior To Commercial Operation): Forecast 26. Achieved INITIAL CRITICALITY NA NA NA NA INITIAL ELECTRICITY COMMERCIAL OPERATION NA NA

^{*} Based on California Public Utilities Commission Decision 84-12-060, these values have been revised to reflect an August 18, 1983 commercial operation date. The previous values were based on an August 8, 1983 commercial operation date.

DOCKET NO. 50-361

UNIT SONGS - 2

DATE 7/13/84 (as revised 2/15/85) COMPLETED BY L. I. Mayweather TELEPHONE (714) 492-7700 Ext. 56264 **OPERATING STATUS** Unit Name: San Onofre Nuclear Generating Station, Unit 2 1. 2. Reporting Period: June 1984 3. Licensed Thermal Power (MWt): 3390 Nameplate Rating (Gross MWe): 1127 4. 1070 Design Electrical Rating (Net MWe): 5. 1127 Maximum Dependable Capacity (Gross MWe): 6. Maximum Dependable Capacity (Net MWe): 1070 7. If Changes Occur In Capacity Ratings (Items Number 3 Through 7) 8. Since Last Report, Give Reasons: 9. Power Level To Which Restricted, If Any (Net MWe): NA NA 10. Reasons For Restrictions, If Any: This Month Yr.-to-Date Cumulative 11. 7,632 Hours In Reporting Period 720 4,367 3,229.48 5,602.18* 12. Number Of Hours Reactor Was Critical 463.08 13. Reactor Reserve Shutdown Hours 0 0 0 3,154.82 5,476.52* Hours Generator On-Line 462.62 14. 15. Unit Reserve Shutdown Hours 0 0 0 1,510,122 18,001,595 Gross Thermal Energy Generated (MWH) 10,313,640 6,117,325.5 * 5,797,006 * Gross Electrical Energy Generated (MWH) 508,375 3,484,928.5 3,299,349 17. 480,419 Net Electrical Energy Generated (MWH) 18. 71.76* 72.24 64.25 Unit Service Factor 19. 64.25 72.24 20. Unit Availability Factor 71.76* Unit Capacity Factor (Using MDC Net)
 Unit Capacity Factor (Using DER Net) 62.36 70.61 70.99* 70.61 70.99* 62.36 4.49* 23. Unit Forced Outage Rate 0 4.73 Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): 24. Refueling, September 1984, 3 month duration. If Shut Down At End Of Report Period, Estimated Date of Startup: 25. Units In Test Status (Prior To Commercial Operation): 26. Forecast Achieved INITIAL CRITICALITY NA NA INITIAL ELECTRICITY NA NA COMMERCIAL OPERATION NA NA

^{*} Based on California Public Utilities Commission Decision 84-12-060, these values have been revised to reflect an August 18, 1983 commercial operation date. The previous values were based on an August 8, 1983 commercial operation date.

DOCKET NO. 50-361

UNIT SONGS - 2

C	DATE 6	/15/84 (as rev . I. Mayweathe	
	TELEPHONE (Ext. 56264
OPERATING STATUS			EXT. 30204
Unit Name: San Onofre Nuclear Generation	ng Station, U	nit 2	
Reporting Period: May 1984			
Licensed Thermal Power (MWt):	3390		
Nameplate Rating (Gross MWe):	1127		
Design Electrical Rating (Net MWe):	1070		
Maximum Dependable Capacity (Gross MWe)			
Maximum Dependable Capacity (Net MWe):	1070	Thursday 71	
If Changes Occur In Capacity Ratings (I	tems Number 3	Inrough /)	
Since Last Report, Give Reasons:		NA	
		11/1	
	400 - MILES		
Power Level To Which Restricted, If Any	(Net MWe):	NA	
Reasons For Restrictions, If Any:		NA	
Hours In Reporting Period Number Of Hours Reactor Was Critical Reactor Reserve Shutdown Hours Hours Generator On-Line Unit Reserve Shutdown Hours Gross Thermal Energy Generated (MWH) Gross Electrical Energy Generated (MWH) Net Electrical Energy Generated (MWH)	744 744 0 744 0 2,513,823 829,282 791,141	2,818,930	5,316,587
Unit Service Factor	100	73.82	72.5
Unit Availability Factor	100	73.82	72.5
Unit Capacity Factor (Using MDC Net)	99.38	72.24	71.8
Unit Capacity Factor (Using DER Net) Unit Forced Outage Rate	99.38	72.24 5.50	71.8
Shutdowns Scheduled Over Next 6 Months Refueling, September 1984, 3 month dur		and Duration o	f Each):
If Shut Down At End Of Report Period, E	stimated Date	of Startup:	N/A
Units In Test Status (Prior To Commercia			with description of the first property of the contract of the
INITIAL CRITICALITY		NA NA	
COMMERCIAL OPERATIO	N	N/	
COMMENCIAL OF ENATIO		147	11/3

^{*} Based on California Public Utilities Commission Decision 84-12-060, these values have been revised to reflect an August 18, 1983 commercial operation date. The previous values were based on an August 8, 1983 commercial operation date.

CC		SONGS - 2 5/15/84 (as rev	
		(714) 492-7700	
OPERATING STATUS			Ext. 56264
OFERATING STATOS			
Unit Name: San Onofre Nuclear Generating	ng Station,	Unit 2	
Reporting Period: April 1984	2200		
Licensed Thermal Power (MWt):	3390		
Nameplate Rating (Gross MWe):	1127		
Design Electrical Rating (Net MWe):	1070		
Maximum Dependable Capacity (Gross MWe):	1127		
Maximum Dependable Capacity (Net MWe):	1070		
If Changes Occur In Capacity Ratings (It	tems Number	3 Through 7)	
Since Last Report, Give Reasons:			
		NA	
Power Level To Which Restricted, If Any	(Net MWe):	NA	
Reasons For Restrictions, If Any:		NA	
	This Month	Yrto-Date	Cumulative
Hours In Reporting Period	719	2,903	6,168
Number Of Hours Reactor Was Critical	719 719	2,903 2,022.4	6,168 4,395.1
Number Of Hours Reactor Was Critical Reactor Reserve Shutdown Hours	719 719 0	2,903 2,022.4 0	6,168 4,395.1
Number Of Hours Reactor Was Critical Reactor Reserve Shutdown Hours Hours Generator On-Line	719 719 0 719	2,903 2,022.4	6,168 4,395.1 0 4,269.9
Number Of Hours Reactor Was Critical Reactor Reserve Shutdown Hours Hours Generator On-Line Unit Reserve Shutdown Hours	719 719 0 719 0	2,903 2,022.4 0 1,948.2	6,168 4,395.1 0 4,269.9
Number Of Hours Reactor Was Critical Reactor Reserve Shutdown Hours Hours Generator On-Line Unit Reserve Shutdown Hours Gross Thermal Energy Generated (MWH)	719 719 0 719 0 2,387,071	2,903 2,022.4 0 1,948.2 0 6,289,695	6,168 4,395.1 0 4,269.9 0 13,977,650
Number Of Hours Reactor Was Critical Reactor Reserve Shutdown Hours Hours Generator On-Line Unit Reserve Shutdown Hours Gross Thermal Energy Generated (MWH) Gross Electrical Energy Generated (MWH)	719 719 0 719 0 2,387,071 812,690.5	2,903 2,022.4 0 1,948.2 0 6,289,695 2,147,271.5	6,168 4,395.1 0 4,269.9 0 13,977,650 4,779,668.5
Number Of Hours Reactor Was Critical Reactor Reserve Shutdown Hours Hours Generator On-Line Unit Reserve Shutdown Hours Gross Thermal Energy Generated (MWH) Gross Electrical Energy Generated (MWH) Net Electrical Energy Generated (MWH)	719 719 0 719 0 2,387,071 812,690.5 776,077	2,903 2,022.4 0 1,948.2 0 6,289,695 2,147,271.5 2,027,789	6,168 4,395.1 0 4,269.9 0 13,977,650 4,779,668.5 4,525,446
Number Of Hours Reactor Was Critical Reactor Reserve Shutdown Hours Hours Generator On-Line Unit Reserve Shutdown Hours Gross Thermal Energy Generated (MWH) Gross Electrical Energy Generated (MWH) Net Electrical Energy Generated (MWH) Unit Service Factor	719 719 0 719 0 2,387,071 812,690.5 776,077	2,903 2,022.4 0 1,948.2 0 6,289,695 2,147,271.5 2,027,789 67.11	6,168 4,395.1 0 4,269.9 0 13,977,650 4,779,668.5 4,525,446 69.23
Number Of Hours Reactor Was Critical Reactor Reserve Shutdown Hours Hours Generator On-Line Unit Reserve Shutdown Hours Gross Thermal Energy Generated (MWH) Gross Electrical Energy Generated (MWH) Net Electrical Energy Generated (MWH) Unit Service Factor Unit Availability Factor	719 719 0 719 0 2,387,071 812,690.5 776,077 100 100	2,903 2,022.4 0 1,948.2 0 6,289,695 2,147,271.5 2,027,789 67.11 67.11	6,168 4,395.1 0 4,269.9 0 13,977,650 4,779,668.5 4,525,446 69.23 69.23
Number Of Hours Reactor Was Critical Reactor Reserve Shutdown Hours Hours Generator On-Line Unit Reserve Shutdown Hours Gross Thermal Energy Generated (MWH) Gross Electrical Energy Generated (MWH) Net Electrical Energy Generated (MWH) Unit Service Factor Unit Availability Factor Unit Capacity Factor (Using MDC Net)	719 719 0 719 0 2,387,071 812,690.5 776,077 100 100	2,903 2,022.4 0 1,948.2 0 6,289,695 2,147,271.5 2,027,789 67.11 67.11 67.11 65.28	6,168 4,395.1 0 4,269.9 0 13,977,650 4,779,668.5 4,525,446 69.23 69.23 68.57
Number Of Hours Reactor Was Critical Reactor Reserve Shutdown Hours Hours Generator On-Line Unit Reserve Shutdown Hours Gross Thermal Energy Generated (MWH) Gross Electrical Energy Generated (MWH) Net Electrical Energy Generated (MWH) Unit Service Factor Unit Availability Factor Unit Capacity Factor (Using MDC Net) Unit Capacity Factor (Using DER Net)	719 719 0 719 0 2,387,071 812,690.5 776,077 100 100.8 100.8	2,903 2,022.4 0 1,948.2 0 6,289,695 2,147,271.5 2,027,789 67.11 67.11 65.28 65.28 65.28	6,168 4,395.1 0 4,269.9 0 13,977,650 4,779,668.5 4,525,446 69.23 69.23 68.57 68.57
Number Of Hours Reactor Was Critical Reactor Reserve Shutdown Hours Hours Generator On-Line Unit Reserve Shutdown Hours Gross Thermal Energy Generated (MWH) Gross Electrical Energy Generated (MWH) Net Electrical Energy Generated (MWH) Unit Service Factor Unit Availability Factor Unit Capacity Factor (Using MDC Net) Unit Capacity Factor (Using DER Net) Unit Forced Outage Rate	719 719 0 719 0 2,387,071 812,690.5 776,077 100 100.8 100.8	2,903 2,022.4 0 1,948.2 0 6,289,695 2,147,271.5 2,027,789 67.11 67.11 67.11 65.28 65.28 7.45	6,168 4,395.1 0 4,269.9 0 13,977,650 4,779,668.5 4,525,446 69.23 69.23 68.57 68.57 5.69
Number Of Hours Reactor Was Critical Reactor Reserve Shutdown Hours Hours Generator On-Line Unit Reserve Shutdown Hours Gross Thermal Energy Generated (MWH) Gross Electrical Energy Generated (MWH) Net Electrical Energy Generated (MWH) Unit Service Factor Unit Availability Factor Unit Capacity Factor (Using MDC Net) Unit Capacity Factor (Using DER Net) Unit Forced Outage Rate Shutdowns Scheduled Over Next 6 Months (719 719 0 719 0 2,387,071 812,690.5 776,077 100 100.8 100.8	2,903 2,022.4 0 1,948.2 0 6,289,695 2,147,271.5 2,027,789 67.11 67.11 67.11 65.28 65.28 7.45	6,168 4,395.1 0 4,269.9 0 13,977,650 4,779,668.5 4,525,446 69.23 69.23 68.57 68.57 5.69
Number Of Hours Reactor Was Critical Reactor Reserve Shutdown Hours Hours Generator On-Line Unit Reserve Shutdown Hours Gross Thermal Energy Generated (MWH) Gross Electrical Energy Generated (MWH) Net Electrical Energy Generated (MWH) Unit Service Factor Unit Availability Factor Unit Capacity Factor (Using MDC Net) Unit Capacity Factor (Using DER Net) Unit Forced Outage Rate	719 719 0 719 0 2,387,071 812,690.5 776,077 100 100.8 100.8	2,903 2,022.4 0 1,948.2 0 6,289,695 2,147,271.5 2,027,789 67.11 67.11 67.11 65.28 65.28 7.45	6,168 4,395.1 0 4,269.9 0 13,977,650 4,779,668.5 4,525,446 69.23 69.23 68.57 68.57 5.69
Number Of Hours Reactor Was Critical Reactor Reserve Shutdown Hours Hours Generator On-Line Unit Reserve Shutdown Hours Gross Thermal Energy Generated (MWH) Gross Electrical Energy Generated (MWH) Net Electrical Energy Generated (MWH) Unit Service Factor Unit Availability Factor Unit Capacity Factor (Using MDC Net) Unit Capacity Factor (Using DER Net) Unit Forced Outage Rate Shutdowns Scheduled Over Next 6 Months (Refueling, September 1984, 3 month dura	719 719 0 719 0 2,387,071 812,690.5 776,077 100 100 100.8 100.8 100.8	2,903 2,022.4 0 1,948.2 0 6,289,695 2,147,271.5 2,027,789 67.11 67.11 67.11 65.28 65.28 7.45 and Duration o	6,168 4,395.1 0 4,269.9 0 13,977,650 4,779,668.5 4,525,446 69.23 69.23 68.57 68.57 5.69 f Each):
Number Of Hours Reactor Was Critical Reactor Reserve Shutdown Hours Hours Generator On-Line Unit Reserve Shutdown Hours Gross Thermal Energy Generated (MWH) Gross Electrical Energy Generated (MWH) Net Electrical Energy Generated (MWH) Unit Service Factor Unit Availability Factor Unit Capacity Factor (Using MDC Net) Unit Capacity Factor (Using DER Net) Unit Forced Outage Rate Shutdowns Scheduled Over Next 6 Months (719 719 0 719 0 2,387,071 812,690.5 776,077 100 100.8 100.8 100.8 100.8 100.8 100.8 100.8 100.8 100.8 100.8 100.8 100.8 100.8 100.8 100.8	2,903 2,022.4 0 1,948.2 0 6,289,695 2,147,271.5 2,027,789 67.11 67.11 67.11 65.28 65.28 7.45 and Duration o	6,168 4,395.1 0 4,269.9 0 13,977,650 4,779,668.5 4,525,446 69.23 68.57 68.57 68.57 5.69 f Each):
Number Of Hours Reactor Was Critical Reactor Reserve Shutdown Hours Hours Generator On-Line Unit Reserve Shutdown Hours Gross Thermal Energy Generated (MWH) Gross Electrical Energy Generated (MWH) Net Electrical Energy Generated (MWH) Unit Service Factor Unit Availability Factor Unit Capacity Factor (Using MDC Net) Unit Capacity Factor (Using DER Net) Unit Forced Outage Rate Shutdowns Scheduled Over Next 6 Months (Refueling, September 1984, 3 month dura	719 719 0 719 0 2,387,071 812,690.5 776,077 100 100.8 100.8 100.8 100.8 100.8 100.8 100.8 100.8 100.8 100.8 100.8 100.8 100.8 100.8 100.8	2,903 2,022.4 0 1,948.2 0 6,289,695 2,147,271.5 2,027,789 67.11 67.11 67.11 65.28 65.28 7.45 and Duration o	6,168 4,395.1 0 4,269.9 0 13,977,650 4,779,668.5 4,525,446 69.23 69.23 68.57 68.57 5.69 f Each):
Number Of Hours Reactor Was Critical Reactor Reserve Shutdown Hours Hours Generator On-Line Unit Reserve Shutdown Hours Gross Thermal Energy Generated (MWH) Gross Electrical Energy Generated (MWH) Net Electrical Energy Generated (MWH) Unit Service Factor Unit Availability Factor Unit Capacity Factor (Using MDC Net) Unit Capacity Factor (Using DER Net) Unit Forced Outage Rate Shutdowns Scheduled Over Next 6 Months (Refueling, September 1984, 3 month dura Units In Test Status (Prior To Commercial	719 719 0 719 0 2,387,071 812,690.5 776,077 100 100.8 100.8 100.8 100.8 100.8 100.8 100.8 100.8 100.8 100.8 100.8 100.8 100.8 100.8 100.8	2,903 2,022.4 0 1,948.2 0 6,289,695 2,147,271.5 2,027,789 67.11 67.11 67.11 65.28 7.45 and Duration o	6,168 4,395.1 0 4,269.9 0 13,977,650 4,779,668.5 4,525,446 69.23 69.23 68.57 68.57 5.69 f Each):

^{*} Based on California Public Utilities Commission Decision 84-12-060, these values have been revised to reflect an August 18, 1983 commercial operation date. The previous values were based on an August 8, 1983 commercial operation date.

DOCKET NO. 50-361

UNIT SONGS - 2

DATE 4/13/84 (as revised 2/15/85) COMPLETED BY L. I. Mayweather TELEPHONE (714) 492-7700 56264 Ext. OPERATING STATUS Unit Name: San Onofre Nuclear Generating Station, Unit 2 2. Reporting Period: March 1984 3. Licensed Thermal Power (MWt): 3390 1127 Nameplate Rating (Gross MWe): 4. Design Electrical Rating (Net MWe): 1070 5. 1127 Maximum Dependable Capacity (Gross MWe): 6. Maximum Dependable Capacity (Net MWe): 1070 7. If Changes Occur In Capacity Ratings (Items Number 3 Through 7) 8. Since Last Report, Give Reasons: Power Level To Which Restricted, If Any (Net MWe): NA Reasons For Restrictions, If Any: NA 10. This Month Yr.-to-Date Cumulative 2,184 5,449 11. Hours In Reporting Period 744 1,303.4 12. Number Of Hours Reactor Was Critical 641.1 3,676 Reactor Reserve Shutdown Hours 13. 0 0 1,229.2 14. Hours Generator On-Line 618.8 3,550.9 15. Unit Reserve Shutdown Hours 0 0 11,590,579 16. Gross Thermal Energy Generated (MWH) 1,991,958 3,902,624 683,114 646,281 1,334,581 1,251,712 17. Gross Electrical Energy Generated (MWH) 3,966,978 3,749,369 18. Net Electrical Energy Generated (MWH) 65.17* 19. Unit Service Factor 83.27 56.31 83.27 65.17* 56.31 20. Unit Availability Factor Unit Capacity Factor (Using MDC Net)
 Unit Capacity Factor (Using DER Net) 81.18 81.18 64.31* 53.56 64.31* 53.56 23. Unit Forced Outage Rate 16.83 11.31 6.76* 24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): 25. If Shut Down At End Of Report Period, Estimated Date of Startup: N/A Units In Test Status (Prior To Commercial Operation): Forecast 26. Achieved INITIAL CRITICALITY NA NA INITIAL ELECTRICITY NA NA COMMERCIAL OPERATION NA NA

^{*} Based on California Public Utilities Commission Decision 84-12-060, these values have been revised to reflect an August 18, 1983 commercial operation date. The previous values were based on an August 8, 1983 commercial operation date.

DOCKET NO. 50-361

UNIT SONGS - 2

DATE 3/15/84 (as revised 2/15/35) COMPLETED BY L. I. Mayweather TELEPHONE (714) 492-7700 56264 Ext. OPERATING STATUS Unit Name: San Onofre Nuclear Generating Station, Unit 2 1. Reporting Period: February 1984 2. 3. Licensed Thermal Power (MWt): Nameplate Rating (Gross MWe): 1127 4. 1070 Design Electrical Rating (Net MWe): 5. Maximum Dependable Capacity (Gross MWe): 1127 6. 7. Maximum Dependable Capacity (Net MWe): 1070 If Changes Occur In Capacity Ratings (Items Number 3 Through 7) 8. Since Last Report, Give Reasons: Power Level To Which Restricted, If Any (Net MWe): 9. NA. 10. Reasons For Restrictions, If Any: NA This Month Yr.-to-Date Cumulative 1,440 696 4,705 Hours In Reporting Period 11. 3,035 363.7 662.3 12. Number Of Hours Reactor Was Critical Reactor Reserve Shutdown Hours 0 0 0 13. Hours Generator On-Line 330.5 610.4 14. 15. Unit Reserve Shutdown Hours 0 0 0 16. Gross Thermal Energy Generated (MWH) 1,031,289 ,910,666 9,598,621 17. Gross Electrical Energy Generated (MWH) 348,887 651,467 3,283,864 18. Net Electrical Energy Generated (MWH) 323,201 605,431 3,103,088 47.5 62.32* Unit Service Factor 19. 42.4 47.5 62.32* 20. Unit Availability Factor 42.4 Unit Capacity Factor (Using MDC Net)
 Unit Capacity Factor (Using DER Net) 43.4 39.3 61.64* 43.4 39.3 61.64* 4.32* 23. Unit Forced Outage Rate 0 4.92 24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): 25. If Shut Down At End Of Report Period, Estimated Date of Startup: Units In Test Status (Prior To Commercial Operation): Forecast 26. Achieved INITIAL CRITICALITY NA NA INITIAL ELECTRICITY NA NA COMMERCIAL OPERATION NA NA

^{*} Based on California Public Utilities Commission Decision 84-12-060, these values have been revised to reflect an August 18, 1983 commercial operation date.

The previous values were based on an August 8, 1983 commercial operation date.

DOCKET NO. 50-361

UNIT SONGS - 2

DATE 2/15/84 (as revised 2/15/85) COMPLETED BY L. I. Mayweather TELEPHONE (714) 492-7700 56264 Ext. OPERATING STATUS 1. Unit Name: San Onofre Nuclear Generating Station, Unit 2 Reporting Period: January 1984 2. 3. Licensed Thermal Power (MWt): 3390 1127 Nameplate Rating (Gross MWe): 4. 1070 Design Electrical Rating (Net MWe): 5. Maximum Dependable Capacity (Gross MWe): 6. 1127 Maximum Dependable Capacity (Net MWe): 7. 1070 If Changes Occur In Capacity Ratings (Items Number 3 Through 7) 8. Since Last Report, Give Reasons: NA NA 9. Power Level To Which Restricted, If Any (Net MWe): 10. Reasons For Restrictions, If Any: NA Yr.-to-Date Cumulative This Month 11. Hours In Reporting Period 744 744 4,009 Number Of Hours Reactor Was Critical 298.6 298.6 2,671 12. Reactor Reserve Shutdown Hours 13. 0 0 0 14. Hours Generator On-Line 279.9 279.9 2,601.6 15. Unit Reserve Shutdown Hours 0 0 0 879,377 16. Gross Thermal Energy Generated (MWH) 879,377 8,567,332 Gross Electrical Energy Generated (MWH) 302,581 282,231 302,581 2,934,977 17. Net Electrical Energy Generated (MWH) 282,231 18. 2,779,887 64.89* 19. Unit Service Factor 37.6 37.6 37.6 37.6 20. Unit Availability Factor 64.39* Unit Capacity Factor (Using MDC Net)
 Unit Capacity Factor (Using DER Net) 35.5 35.5 64.80* 35.5 35.5 64.80* 23. Unit Forced Outage Rate 10.14 10.14 4.84* 24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): 25. If Shut Down At End Of Report Period, Estimated Date of Startup: N/A 26. Units In Test Status (Prior To Commercial Operation): Forecast Achieved INITIAL CRITICALITY NA NA INITIAL ELECTRICITY NA NA COMMERCIAL OPERATION NA NA

^{*} Based on California Public Utilities Commission Decision 84-12-060, these values have been revised to reflect an August 18, 1983 commercial operation date. The previous values were based on an August 8, 1983 commercial operation date.

DOCKET NO. 50-361

UNIT SONGS - 2 DATE 1/16/84 (as revised 2/15/85) COMPLETED BY L. I. Mayweather TELEPHONE (714) 492-7700 56264 Ext. OPERATING STATUS Unit Name: San Onofre Nuclear Generating Station, Unit 2 1. Reporting Period: December 1983 2. 3. Licensed Thermal Power (MWt): 3390 1127 4. Nameplate Rating (Gross MWe): 1070 5. Design Electrical Rating (Net MWe): 1127 6. Maximum Dependable Capacity (Gross MWe): 1070 Maximum Dependable Capacity (Net MWe): 7. If Changes Occur In Capacity Ratings (Items Number 3 Through 7) 8. Since Last Report, Give Reasons: NA Power Level To Which Restricted, If Any (Net MWe): NA 9. NA 10. Reasons For Restrictions, If Any: This Month Yr.-to-Date Cumulative 3,265 11. Hours In Reporting Period 744 3,265 2,372.7 2,372.7 12. Number Of Hours Reactor Was Critical 307.4 Reactor Reserve Shutdown Hours 0 0 0 13. Hours Generator On-Line 274.6 14. 15. Unit Reserve Shutdown Hours 0 0 0 885,405 7,687,955 7,687,955 16. Gross Thermal Energy Generated (MWH) 2,632,396 2,497,656 2,632,396 2,497,656 17. Gross Electrical Energy Generated (MWH) 306,662 18. Net Electrical Energy Generated (MWH) 284,352 19. Unit Service Factor 36.9 71.11 20. Unit Availability Factor 36.9 35.7 21. Unit Capacity Factor (Using MDC Net) 71.49 71.49* 22. Unit Capacity Factor (Using DER Net) 71.49 35.7 71.49* 4.16* 23. Unit Forced Outage Rate 0 4.16 24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): 25. If Shut Down At End Of Report Period, Estimated Date of Startup: N/A 26. Units In Test Status (Prior To Commercial Operation): Forecast Achieved INITIAL CRITICALITY NA NA NA INITIAL ELECTRICITY NA COMMERCIAL OPERATION NA NA

^{*} Based on California Public Utilities Commission Decision 84-12-060, these values have been revised to reflect an August 18, 1983 commercial operation date. The previous values were based on an August 8, 1983 commercial operation date.

DOCKET NO. 50-361 UNIT SONGS - 2 DATE 12/15/83 (as revised 2/15/85) COMPLETED BY L. I. Mayweather TELEPHONE (714) 492-7700 Ext. 56264 **OPERATING STATUS** Unit Name: San Onofre Nuclear Generating Station, Unit 2 Reporting Period: November 1983 Licensed Thermal Power (MWt): 1127 Nameplate Rating (Gross MWe): 1070 Design Electrical Rating (Net MWe): 1127 Maximum Dependable Capacity (Gross MWe): Maximum Dependable Capacity (Net MWe): 1070 If Changes Occur In Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons: NA NA Power Level To Which Restricted, If Any (Net MWe): NA Reasons For Restrictions, If Any: This Month Yr.-to-Date Cumulative 2,521 Hours In Reporting Period 720 2,521 2,065.3 * 12. Number Of Hours Reactor Was Critical 331.0 2,065.3 Reactor Reserve Shutdown Hours 0 0 0 2,047.1 2,047.1 14. Hours Generator On-Line 331.0 15. Unit Reserve Shutdown Hours 0 0 0 1,113,802 16. Gross Thermal Energy Generated (MWH) 6,802,550 6,802,550 377,015 355,435 2,325,734 2,213,304 2,325,734 2,213,304 17. Gross Electrical Energy Generated (MWH) Net Electrical Energy Generated (MWH) 19. Unit Service Factor 46.0 81.20 81.20*

46.0

46.1

46.1

2.2

25. If Shut Down At End Of Report Period, Estimated Date of Startup: 15 December 1983 26. Units In Test Status (Prior To Commercial Operation): Forecast Achieved

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

INITIAL CRITICALITY INITIAL ELECTRICITY COMMERCIAL OPERATION NA NA NA NA NA NA

81.20*

82.05*

82.05* 4.69*

81.20

82.05

4.69

1.

2. 3.

4.

5.

6.

7.

8.

10.

11.

13.

18.

20. Unit Availability Factor

23. Unit Forced Outage Rate

Unit Capacity Factor (Using MDC Net)
 Unit Capacity Factor (Using DER Net)

Based on California Public Utilities Commission Decision 84-12-060, these values have been revised to reflect an August 18, 1983 commercial operation date. The previous values were based on an August 8, 1983 commercial operation date.

DOCKET NO. 50-361

UNIT SONGS - 2

DATE 11/14/83 (as revised 2/15/85) COMPLETED BY L. I. Mayweather TELEPHONE (714) 492-7700 56264 Ext. OPERATING STATUS Unit Name: San Onofre Nuclear Generating Station, Unit 2 2. Reporting Period: October 1983 3390 3. Licensed Thermal Power (MWt): 4. 1127 Nameplate Rating (Gross MWe): Design Electrical Rating (Net MWe): 1070 5. 1127 6. Maximum Dependable Capacity (Gross MWe): Maximum Dependable Capacity (Net MWe): 1070 7. If Changes Occur In Capacity Ratings (Items Number 3 Through 7) 8. Since Last Report, Give Reasons: Power Level To Which Restricted, If Any (Net MWe): NA Reasons For Restrictions, If Any: NA 10. This Month Yr.-to-Date Cumulative ,801 1,801 11. Hours In Reporting Period 745 ,734.3 * 1,734.3 Number Of Hours Reactor Was Critical 707.8 12. Reactor Reserve Shutdown Hours 0 0 13. 0 1,716.1 696.2 Hours Generator On-Line 1,716.1 14. 15. Unit Reserve Shutdown Hours 0 0 0 2,290,487 5,688,748 16. Gross Thermal Energy Generated (MWH) 5.688.748 1,948,719 1,857,869 776,329 1,948,719 17. Gross Electrical Energy Generated (MWH) 738,729 1,857,869 18. Net Electrical Energy Generated (MWH) Unit Service Factor 93.4 95.29 95.29* 19. 93.4 95.29 95.29* 20. Unit Availability Factor Unit Capacity Factor (Using MDC Net)
 Unit Capacity Factor (Using DER Net) 92.7 96.41 96.41* 92.7 96.41* 96.41 4.71 23. Unit Forced Outage Rate 6.5 4.71* 24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): 18 Month Surveillance Outage, November 15, 1983, 1-month duration. 25. If Shut Down At End Of Report Period, Estimated Date of Startup: N/A Units In Test Status (Prior To Commercial Operation): 26. Forecast Achieved INITIAL CRITICALITY NA NA NA INITIAL ELECTRICITY NA COMMERCIAL OPERATION NA NA

^{*} Based on California Public Utilities Commission Decision 84-12-060, these values have been revised to reflect an August 18, 1983 commercial operation date.

The previous values were based on an August 8, 1983 commercial operation date.

DOCKET NO. 50-361

UNIT SONGS - 2

DATE 10/17/83 (as revised 2/15/85) COMPLETED BY L. I. Mayweather TELEPHONE (714) 492-7700 Ext. 56264 OPERATING STATUS Unit Name: San Onofre Nuclear Generating Station, Unit 2 2. Reporting Period: September 1983 Licensed Thermal Power (MWt): 3. 1127 Nameplate Rating (Gross MWe): 4. 1070 Design Electrical Rating (Net MWe): 5. 1127 Maximum Dependable Capacity (Gross MWe): 6. 7. Maximum Dependable Capacity (Net MWe): 1070 If Changes Occur In Capacity Ratings (Items Number 3 Through 7) 8. Since Last Report, Give Reasons: Power Level To Which Restricted, If Any (Net MWe): NA 9. NA Reasons For Restrictions, If Any: 10. This Month Yr.-to-Date Cumulative 1,056 11. Hours In Reporting Period 720 1,056 1,026.5 * 1,026.5 Number Of Hours Reactor Was Critical 690.5 12. Reactor Reserve Shutdown Hours 0 0 13. 0 1,019.9 1,019.9 683.9 14. Hours Generator On-Line 15. Unit Reserve Shutdown Hours 0 0 0 2,298,632 3,398,261 3,398,261 16. Gross Thermal Energy Generated (MWH) 1,172,390 17. Gross Electrical Energy Generated (MWH) 792,200 1,172,390 1,119,140 1,119,140 755,500 Net Electrical Energy Generated (MWH) 18. 96.58* 19. Unit Service Factor 95.0 96.58 96.58* 95.0 96.58 20. Unit Availability Factor Unit Capacity Factor (Using MDC Net)
 Unit Capacity Factor (Using DER Net) 98.1 99.05 99.05* 99.05* 98.1 99.05 3.42* 23. Unit Forced Outage Rate 5.0 3.42 Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): 24. 18-Month Surveillance Outage, November 15, 1983, 1-month duration. If Shut Down At End Of Report Period, Estimated Date of Startup: N/A 25. Units In Test Status (Prior To Commercial Operation): Forecast 26. Achieved INITIAL CRITICALITY NA NA INITIAL ELECTRICITY NA NA COMMERCIAL OPERATION NA NA

Based on California Public Utilities Commission Decision 84-12-060, these values

have been revised to reflect an August 18, 1983 commercial operation date. The previous values were based on an August 8, 1983 commercial operation date.

DOCKET NO. 50-361

UNIT SONGS - 2

DATE 9/15/83 (as revised 2/15/85) COMPLETED BY L. I. Mayweather TELEPHONE (714) 492-7700 Ext. 56264 OPERATING STATUS Unit Name: San Onofre Nuclear Generating Station, Unit 2 1. Reporting Period: 18 August 1983 through 31 August 1983 2. 3. Licensed Thermal Power (MWt): Nameplate Rating (Gross MWe): 1127 4. 5. Design Electrical Rating (Net MWe): 1070 1127 Maximum Dependable Capacity (Gross MWe): 6. Maximum Dependable Capacity (Net MWe): 7. 1070 If Changes Occur In Capacity Ratings (Items Number 3 Through 7) 8. Since Last Report, Give Reasons: NA Power Level To Which Restricted, If Any (Net MWe): NA 9. NA Reasons For Restrictions, If Any: 10. This Month Yr.-to-Date Cumulative 11. Hours In Reporting Period 336 336 336 12. Number Of Hours Reactor Was Critical 336 336 336 Reactor Reserve Shutdown Hours 0 13. 0 0 14. Hours Generator On-Line 336 336 336 15. Unit Reserve Shutdown Hours 0 0 0 1,099,629 16. Gross Thermal Energy Generated (MWH) .099.629 .099.629 17. Gross Electrical Energy Generated (MWH) 380,190 380,190 380,190 18. Net Electrical Energy Generated (MWH) 363,640 363,640 363,640 19. Unit Service Factor 100 100 100 20. Unit Availability Factor 100 100 100 Unit Capacity Factor (Using MDC Net)
 Unit Capacity Factor (Using DER Net) 101.1 101.1 101 101.1 101.1 101.1 23. Unit Forced Outage Rate 0 0 0 24. Shutdowns Scheduled Over Next 5 Months (Type, Date, and Duration of Each): 18-Month Surveillance Outage, November 15, 1985, 1 month duration. If Shut Down At End Of Report Period, Estimated Date of Startup: N/A 26. Units In Test Status (Prior To Commercial Operation): Forecast Achieved INITIAL CRITICAL TY NA NA NA INITIAL ELECTRICITY NA NA COMMERCIAL OPERATION NA

^{*} Based on California Public Utilities Commission Decision 84-12-060, these values have been revised to reflect an August 18, 1983 commercial operation date. The previous values were based on an August 8, 1983 commercial operation date.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO.	50-361
UNIT	SONGS - 2
DATE 9/15/83	(as revised 2/15/85)
COMPLETED BY	L. I. Mayweather
TELEPHONE	(714) 492-7700
	Ext. 56264

MONTH August 1983

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER (MWe-Net)	LEVEL
1	N/A	17 _	N/A	
2	N/A	18 _	1114.46	
3	N/A	19	1082.60	
4	N/A	20 _	948.33	
5	N/A	21 _	1115.73	
6	N/A	22 _	1069.67	
7	N/A	23 _	1123.69	
8	N/A	24 _	1134 52	
9	N/A	25 _	1137.00	
10	N/A	26 _	1099.98	
11	N/A	27 _	1075.85	
12	N/A	28 _	886.67	
13	N/A	29 _	1115.83	
14	N/A	30	1137.50	
15	N/A	31	1117.92	
16	N/A			
2941u				

Southern California Edison Company

Con Color

SAN ONOFRE NUCLEAR GENERATING STATION

P.O. BOX 128

SAN CLEMENTE, CALIFORNIA 92672

J. G. HAYNES

TELEPHONE (714) 492-7700

February 15, 1985

Director
Office of Management Information and
Program Analysis
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Sir:

Subject: Docket

Docket Nos. 50-361 and 50-362

Monthly Operating Reports for January 1985

San Onofre Nuclear Generating Station, Units 2 and 3

Enclosed are the Monthly Operating Reports as required by Section 6.9.1.10 of Appendix A, Technical Specifications to Facility Operating Licenses NPF-10 and NPF-15 for San Onofre Nuclear Generating Station, Units 2 and 3, respectively. Included for Unit 2 is a revised average daily power level sheet from the beginning of commercial operation through the end of August 1983. Revised operating status sheets are included for August 1983 through the end of December 1984. These revisions were required because the commercial operation date changed from August 8, 1983, to August 18, 1983, based on the California Public Utilities Commission Decision 84-12-060.

Please contact us if we can be of further assistance.

Sincerely, Volaynes

Enclosures

cc: J. B. Martin (Regional Administrator, USNRC Region V)

F. R. Huey (USNRC Senior Resident Inspector, Units 1, 2 and 3)

J. P. Stewart (USNRC Resident Inspector, Units 2 and 3)

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