NRC MONTHLY OPERATING REPORT

OPERATING STATUS

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Unit Name	San Onofre	Nuclear (Generating	Station,	Unit	2
	Construction of the second					And a state of the

2 Reporting Period _____ January 1983 through 31 January 1983

5. Design Electrical Rating (Net MWe): 1127

7. Maximum Dependable Capacity (Net MWe): ______100

8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

	and the second second Man (Not MWa)	NA	
9	Power Level To Which Restricted. It Any (Net Mine)	And shared a second statements and the second se	
10	Reasons For Restrictions. If Any		

		This Month	Yr -to-Date	Cumulative
		744	744	3,204,5
11.	Hours in Reporting Period	566.8	566.8	1,600.3
12	Number Of Hours Reactor Was Critical	0	0	0
13.	Reactor Reserve Shutdown Hours	279 5	279 5	1 202 5
14.	Hours Generator On-Line		0	
15.	Unit Reserve Shutdown Hours			
16	Gross Thermal Energy Generated (MWH)	594,800		1,523,140
17	Gross Electrics! Energy Generated (MWH)	143.000	143,000	338,012
11	Net Electrical Energy Generated (MWH)	111,500	111,500	237,520
10.	Unit Camina Fastar	NA	NA	NA
17	Unit Service Factor	NA	NA	NA
20	Unit Availability Pactor	0	0	0
21	Unit Capacity Factor (Using MDC Net)		0	0
22	Unit Capacity Factor (Using DER Net)			
23	Unit Forced Outage Rate	0		

24. Shatdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): None

	NA	
25. If Shut Down At End Of Report Period. Estimated Date of Startup 26. Units In Test Status (Prior to Commercial Operation):	Forecast	Achieved
	7/17/1982	7/26/1982
INITIAL CRITICALITY INITIAL ELECTRICITY COMMERCIAL OPERATION	9/1982 Under review	9/20/1982

8303150574 830215 PDR ADOCK 05000361 R PDR

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO.	50-361
UNIT	SONGS - 2
DATE	February 15, 1983
COMPLETED BY	L. Mayweather
TELEPHONE	<u>-714/492-7700</u> Ext. 56223

MONTH	January 1983
DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0
2	0
3	13.3
4	72.3
5	0
6	46.4
7	151.5
8	396.0
9	411.7
10 .	405.4
	411.0
12 .	403.9
13	416.3
14 _	400.4
15 _	176.6
6	394.3

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DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	204.4
18	0
19	0
20	0
21	0
22	0
23	0
24	0
25	0
26	31.9
27	263.2
28	393.1
29	392.1
30	76.1
31	0

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. UNIT NAME DATE

TELEPHONE

COMPLETED BY

REPORT MONTH JANUARY 1983

1 Mayweather 714/492 7700

February 15

50-361

SONGS -

Ext 56223

1983

¥ .	Date	Typel	Duratisin (Thiurs)	Reason-	Method of Shuttang Down Reactor?	Licensee Eveni Report #	System Cude	Component Cude ⁵	Cour & Corrective Action to Prevent Recurrence
11	821212	F	51	A	4	82-168	IA	INSTRU	Trip on high LPD/low DNBR signal caused by faulty reed switch. Faulty reed switch replaced. Unit remained down for repair of RCP seals and turbine valves.
1	830103	F	10.75	A	3	NA	HA	VALVEX	Reactor loss of load trip due to turbine stop and governor valve oscillations.
2	830103	F	1.25	A	NA	NA	НА	VALVEX	Turbine trip due to failed resistor in control circuit for 2HV-2200L. Failed resistor replaced.
3	830104	F	49.5	A	3	NA	HA	VALVEX	Turbine trip due to control valve problems which resulted in reactor trip due to high presurizer pressure.
4	830117	F	77.5	A	3	NA	нс	HTEXCH	Reactor trip on high steam generator evel. Condenser tube leakage. Leaking tubes repaired.

Forced

5 Scheduled

Reamin

(Refueling

F-Administrative

H-Other (1 splain)

1 Operator Training & License Examination

A-Lyuipment Failure (Explain)

G-Operational Loror (Explain)

R.Maintenance or Test

D.Regulations Restriction

1

4 Method Exhibit F - Instructions I-Manual tor Preparation of Data 2 Manual Scram Entry Sheets for Licensee 1 Automatic Scram. I went Report (| | R) | de (NURI G 4 Continuation from previous offit month 5. Reduction of 20% or greater I shihit H Same Source in the past 24 hours 9.Other (Explain)

* .

Page 2 of 2

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-361 UNIT NAME SONGS - 2 DATE Eebruary 15, 1983

REPORT MONTH __ January] 983 (Contd)

COMPLETED BY

TELEPHONE 214/492-7700 Ext. 56223

Method of Shutting Reason. Compunen Duration (Ikiurs) System Ci-Je⁴ Tipel Licensee Cause & Currective See. Date Event Action to Reput # Prevent Recurrence ð 5 830120 F 108.75 A NA NA HTEXCH WE Manual turbine trip due to saltwater leak. 6 830125 F 25.66 A NA NA HC HTEXCH Manual turbine trip due to high chloride levels in condensate system and steam generators. 7 F 41.1 830130 A Turbine manually tripped as part of "controlled" shutdown. Reactor 3 NA VALVEX HA tripped on high steam generator level. 1 4 Forced Reason 44 Methin Lahibit F . Instructions S Scheduled A Lyutument Failure (Explain) I-Manual tor Preparation of Data R.Maintenance or Test ? Manual Scram Entry Sheets for Licensee C.Refueling Automatic Scrain. I vent Report (I | R) I de (NI'RI G D.Regulatory Restrictions 4 Continuation from previous offit 1 Operator Training & License Examination month F Administrative 5. Reduction of 20% or greater G-Operational Form (Explain) I shihit H. Same Some in the past 24 hours H-Other (1 volam) 9.Other (Explain)

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

DOCKET	50-361 NO.	
UNIT	SONGS - 2	
DATE	February 15, 1983	
COMPLET	ED BY L. Mayweather	
TELEPHO	ONE 714/492-7700 Ext.5622	3

- January 1, 0001 Unit is in Mode 2. Reactor power is at 1%. Preparations are in progress to raise reactor power to 50% and resume 50% power level testing.
- January 1, 0403 Entered Mode 1.
- January 1, 1215 Reduced reactor power to 1% (entered Mode 2) due to saltwater leak in the southeast condenser. Feedwater was isolated from the steam generators and cleanup of the condensate feedwater system was effected.
- January 2, 2230 Entered Mode 1.
- January 2, 2245 Reactor power at 10%.
- January 3, 0300 Synchronized generator and applied block load of 100 MWe gross.
- January 3, 0502 Reactor loss of load trip initiated when stop and governor valve oscillations were experienced (entered Mode 3).
- January 3, 1149 Entered Mode 2.
- January 3, 1206 Reactor critical.
- January 3, 1433 Entered Mode 1.
- January 3, 1547 Synchronized generator and applied block load of 80 MWe gross.
- January 3, 1620 Turbine tripped due to incorrect CVOL setting.
- January 3, 1735 Synchronized generator and applied block load of 80 MWe gross.
- January 3, 1745 Raised turbine load to 140 MWe gross.

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH OF JANUARY, 1983 Page 2 of 4

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January	4,	0110	Received indication of saltwater leak on northwest condenser. Began reducing turbine load.
January	4,	0605	Turbine tripped due to control valve problems which resulted in a reactor trip due to high pressurizer pressure (entered Mode 3).
January	4,	1305	Commenced RCS cooldown to 350° F to effect cleanup of the steam generators and condensate feedwater system due to chloride contamination.
January	5,	1501	Entered Mode 2.
January	5,	1519	Reached the +.5% AK/K CEA position without achieving criticality. Inserted CEA's to -1.5% AK/K position for estimated critical position (E.C.P.) review.
January	5,	1535	Entered Mode 3.
January	5,	1700	Completed E.C.P. review. Diluted reactor coolant system 1,650 gallons (770 to 750 ppm) to support new E.C.P.
January	5,	1845	Entered Mode 2.
January	5,	1900	Reactor critical.
January	6,	0400	Entered Mode 1.
January	6,	0735	Synchronized generator and applied block load of 80 MWe gross.
January	7,	1845	Reactor power at 50%, generator load at 460 MWe gross. Fifty percent power level testing has resumed.
January	17,	1040	Saltwater leak discovered in the northwest condenser waterbox.
January	17,	1335	Started turbine load reduction due to indication of saltwater leak in the southeast and southwest condenser waterboxes, northwest hotwell already in overboard mode.
January	17,	1350	Tripped main turbine at 60 Male from Control Room

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH OF JANUARY 1983 Page 3 of $4\,$

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January	17,	1400	Reactor tripped on high steam generator level (entered Mode 3).
January	17,	2045	Unit cooled down to 340°F.
January	18,	0432	Entered Mode 4.
January	18,	1440	Entered Mode 3.
January	19,	1225	Entered Mode 2.
January	19,	1335	Reactor critical.
January	20,	1140	Entered Mode 1.
January	20,	1921	Synchronized generator and applied block load of 80 MWe gross.
January	20,	2100	Manually tripped turbine generator due to a saltwater leak in the P-118 waterbox (southwest).
January	20,	2120	Entered Mode 2.
January	21,	1200	Tripped reactor due to a computer outage removing manual and sequential rod movement (entered Mode 3).
January	24,	1530	Entered Mode 2.
January	24,	1550	Reactor critical.
January	25,	0622	Entered Mode 1.
January	25,	0945	Synchronized generator and applied block load of 100 MWe gross.
January	25,	1115	Manually tripped turbine generator due to high chloride levels in the condensate system and steam generators.
January	25,	1145	Lowered reactor power to .5% (entered Mode 2).
January	26,	1016	Entered Mode 1.
January	26,	1255	Synchronized generator and applied block load.
January	27,	0750	Increased reactor power to 50%. Generator load at 435 MWe gross.

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH OF JANUARY 1983 Page 4 of 4

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January	30,	0656	Turbine manually tripped as part of "controlled" shutdown. Steam bypass was actuated and a water hammer was experienced in the vicinity of the steam bypass valves. Reactor tripped on high steam generator level (entered Mode 3).
January	30,	1413	Entered Mode 2.
January	30,	1430	Reactor critical.
January	30,	1456	Dropped Control Element Assembly (CEA) #79.
January	30,	1523	Dropped CEA #86.
January	30,	1531	CEA #86 at upper electrical limit.
January	30,	1542	Entered Mode 3.
January	30,	1603	CEA #79 at upper electrical limit.
January	30,	1737	Entered Mode 2.
January	30,	1757	Reactor critical.
January	31,	2359	Unit is in Mode 2 at 0.5% reactor power.

REFUELING INFORMATION

DOCKE	T NO. 50-361	
UNIT	SONGS - 2	
DATE	February 15, 1983	
COMPL	ETED BY L.Mayweather	·
TELEP	HONE 714/492-7700 Ex	t. 56223

1. Scheduled date for next refueling shutdown.

Not yet determined

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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

7. 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

147

AC40 - RA

NRC MONTHLY OPERATING REPORT

DOCKET NO	50-362
DATE	February 15, 1983
COMPLETED BY	L. Mayweather
TELEPHONE	714/492-7700
	Ext. 56223

NA

NA

0

0

0

OPERATING STATUS

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I. Unit Name: San Unofre N I January, T	uclear Generating 983 through 31 Jan	Station, Unit 3 uary, 1983				
2. Keporting Period 33	90					
S. Licensed Thermai Power (MWr)	27					
Design Electrical Pating (Net MWa): 10	87					
S. Design Electrical Rating (Net Mine).	1127					
5. Maximum Dependable Capacity (Gross Mine	1087					
Taximum Dependable Capacity (Net Mine).						
5. If Changes Occur in Capacity Ratings (Items	Number 5 Inrough 7) Sinc	tasi Report. Gre Re	asons.			
9. Power Level To Which Restricted, If Any (No. 10. Reasons For Restrictions, If Any:Un	et MWe): <u>NA</u> it is still in ini	tial startup ph	ase of testing			
	This Month	Yr -to-Date	Cumulative			
	This Month 744	Yr -to-Date	Cumulative			
Hours In Reporting Period	This Month	Yrto-Date 7440	Cumulative 18720			
Hours In Reporting Period	This Month	Yr -to-Date 	Cumulative 187200			
Hours In Reporting Period Number Of Hours Reactor Was Critical Reactor Reserve Shutdown Hours	This Month 744 0 0 0 0	Yrto-Date 	Cumulative 1872 0 0 0			
Hours In Reporting Period Number Of Hours Reactor Was Critical Reactor Reserve Shutdown Hours Hours Generator On-Line	This Month 744 0 0 0 0 0 0 0	Yrto-Date 	Cumulative 0 0 0 0 0			
 Hours In Reporting Period Number Of Hours Reactor Was Critical Reactor Reserve Shutdown Hours Hours Generator On-Line Unit Reserve Shutdown Hours 	This Month 744 0 0 0 0 0 0 0 0 0	Yr -to-Date 744 0 0 0 0 0 0 0 0	Cumulative 0 0 0 0 0 0 0			
 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) 	This Month 744 0 0 0 0 0 0 0 0 0	Yr -to-Date 744 0 0 0 0 0 0 0 0 0 0	Cumulative 1872 0 0 0 0 0 0 0 0 0			

18. Net Electrical Energy Generated (MWH)

- 19. Unit Service Factor
- 20. Unit Availability Factor
- 21. Unit Capacity Factor (Using MDC Net)
- 22 Unit Capacity Factor (Using DER Net)
- 23. Unit Forced Outage Rate

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): None

	NA		
 If Shut Down At End Of Report Period, Estimated Date of Startup	Forecast	Achieved	
	Under review		
INITIAL ELECTRICITY COMMERCIAL OPERATION	Under review Under review		

NA

NA

0

0

0

NA

NA

0

0

0

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO	50-362				
UNIT	SONGS - 3				
DATE	February 15,	1983			
COMPLETED BY	L. Mayweather	2			
TELEPHONE	714/492-7700	Ext. 56223			

MONTH	JANUARY 1983
DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0
2	0
3	0
4 .	0
5 .	0
6	0
7 .	0
8 .	0
9	0
10 .	0
п.,	0
12 .	0
13 _	
14 _	0
15 _	0
6	0

1

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	0
18	0
19	0
20	0
21	0
22	0
23	0
24	0
25	0
26	0
27	
28	0
29	0
30	0
31	0

UNIT SHUTDOWNS AND POWER RED REPORT MONTHJANUA							EDUCTIONS	DOCKET NO. UNIT NAME DATE COMPLETED BY TELEPHONE 50-362 SONGS - 3 February 15, 1983 L. Mayweather 714/494-7700 Ext.	
£	Date	Typel	Duration (Hours)	- unserva	Method of Shutting Down Reactor	Licensce Event Report #	System Code ⁴	Component Cude ⁵	Cause & Corrective Action to Prevent Recurrence
NA	NA	NA	NA	NA	NA	NA	NA	NA	
I Fo S Sch	rced ieduled	2 Reaso A-Equ B-Mai C-Ref D-Reg I-Ope F-Adi G-Ope H-Oth	n nipment Fa ntenance o ueling gulatory Re rator Train ministratize rational Fi ici (Explain	ilure (E) r Test striction ing & L nor (Fx)	eplain) icense Exan plain)	nination	3 Method 1-Manu 2-Manu 3-Autor 4-Cont 5. Redu in t 9. Othe	al al Scram. matic Scram. inuation fro ction of 20% the past 24 h er (Explain)	4 Exhibit F - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (FR) File (NUREG month or greater hours Exhibit H Same Source

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SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

DOCKET NO. 50-362 UNIT SONGS - 3 DATE February 15, 1983 COMPLETED BY L. Mayweather TELEPHONE 714/492-7700 Ext.56223

January 1, 0001 Unit is in Mode 5, 180°F. Preparations for entering Mode 4 are in progress. January 5, 2149 Entered Mode 4. January 15, 1530 Completed cold rod drop testing. January 18, 1453 Entered Mode 3 January 23, 0119 Reactor coolant system at 545°F. Discovered nitrogen leak in safety injection tank T-008. January 25, 2030 January 25, 2105 Commenced cooldown of reactor coolant system for Mode 4 entry. January 25, 2123 Repressurized T-008 to 600 psig, stopped cooldown and exited action statement. Commenced hot rod drop testing. January 30, 0230 January 31, 2359 Unit is in Mode 3 at 545°F. Hot rod drop testing is in progress.

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DOCKET	10. 50-362
UNIT	SONGS - 3
DATE	February 15, 1983
COMPLET	D BY L. Mayweather
TELEPHO	E 714/492-7700 Ext. 56223

Scheduled date for next refueling shutdown.

Not yet determined.

47.2

2. Scheduled date for restart following refueling.

Not yet determined.

 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

7. 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.