

NRC MONTHLY OPERATING REPORT

DOCKET NO. 50-362
UNIT SONGS - 2
DATE March 15, 1984
COMPLETED BY C. A. Morris
TELEPHONE (714) 492-7700
Ext. 56264

OPERATING STATUS

1. Unit Name: San Onofre Nuclear Generating Station, Unit 2
2. Reporting Period: 1 February 1984 through 29 February 1984
3. Licensed Thermal Power (MWt): 3390
4. Nameplate Rating (Gross MWe): 1127
5. Design Electrical Rating (Net MWe): 1070
6. Maximum Dependable Capacity (Gross MWe): 1127
7. Maximum Dependable Capacity (Net MWe): 1070
8. If Changes Occur In Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

NA

9. Power Level To Which Restricted, If Any (Net MWe):
10. Reasons For Restrictions, If Any:

NA

NA

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	696	1,440	4,945
12. Number Of Hours Reactor Was Critical	363.7	662.3	3,275.0
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	330.5	610.4	3,172.1
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	1,031,289	1,910,666	10,404,201
17. Gross Electrical Energy Generated (MWH)	348,887	651,467	3,563,432
18. Net Electrical Energy Generated (MWH)	323,201	605,431	3,381,076
19. Unit Service Factor	47.5	42.4	64.2
20. Unit Availability Factor	47.5	42.4	64.2
21. Unit Capacity Factor (Using MDC Net)	43.4	39.3	63.9
22. Unit Capacity Factor (Using DER Net)	43.4	39.3	63.9
23. Unit Forced Outage Rate	0	2.2	4.0
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):	NA		

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

INITIAL CRITICALITY
INITIAL ELECTRICITY
COMMERCIAL OPERATION

NA	NA
NA	NA
NA	NA

8403200057 840315
PDR ADCK 05000361
R PDR

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-361

UNIT SONGS - 2

DATE March 15, 1984

COMPLETED BY C. A. Morris

TELEPHONE (714) 492-7700
Ext. 56264

MONTH February 1984

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
11	0
12	0
13	0
14	0
15	0
16	99.23

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	682.29
18	869.65
19	1066.48
20	1103.60
21	1108.92
22	1089.17
23	1101.67
24	1144.31
25	1105.10
26	1120.27
27	1116.15
28	1119.17
29	1115.83
30	NA
31	NA

0565u

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH FEBRUARY, 1984

DOCKET NO. 50-361

UNIT NAME SONGS - 2

DATE March 15, 1984

COMPLETED BY C. A. Morris

TELEPHONE (714) 492-7700

Ext. 56264

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down ³ Reactor	LER No.	System ⁴ Code	Component ⁴ Code	Cause & Corrective Action to Prevent Recurrence
2	840113	S	332.3	B	4	NA	AB	P	Unit was shut down for reactor coolant pump seal replacement.

¹
F-Forced
S-Scheduled

²
Reason:
A-Equipment Failure (Explain)
B-Maintenance or Test
C-Refueling
D-Regulatory Restriction
E-Operator Training & License Examination
F-Administrative
G-Operational Error (Explain)
H-Other (Explain)

³
Method:
1-Manual
2-Manual Scram.
3-Automatic Scram.
4-Continuation from
Previous Month
5-Reduction of 20%
or greater in the
past 24 hours
9-Other (Explain)

⁴
IEEE Std 803-1983

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SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

DOCKET NO. 50-361
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<u>Date/Time</u>	<u>Event</u>
February 1, 0001	The unit is in Mode 5 at 105°F. The Reactor Coolant System is depressurized and drained to midloop and a reactor coolant pump seal outage is in progress.
February 10, 0742	Unit entered Mode 4.
February 11, 2215	Unit inadvertently entered Mode 3. Event was reported to the NRC in Licensee Event Report 83-008, Docket No. 50-361.
February 11, 2217	Returned to Mode 4.
February 12, 0630	Entered Mode 3.
February 14, 1938	Entered Mode 2.
February 14, 2020	Reactor critical.
February 16, 0145	Entered Mode 1.
February 16, 0530	Synchronized generator and applied block load.
February 19, 0510	Reached 100% reactor power; turbine load is 1140 MWe gross.
February 25, 1955	Reduced turbine load to 1050 MWe gross in preparation for turbine stop and governor valve testing.
February 25, 2215	Raised turbine load to 1170 MWe gross following satisfactory completion of turbine stop and governor valve testing.
February 29, 2359	Unit is in Mode 1 at 100% reactor power; turbine load is 1166 MWe gross. Full power operation is planned.

REFUELING INFORMATION

DOCKET NO. 50-361
UNIT SONGS - 2
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1. Scheduled date for next refueling shutdown.

September 1984

2. Scheduled date for restart following refueling.

December 1984

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

Yes

What will these be?

Proposed Technical Specification changes will be submitted to the NRC for Shutdown Cooling System Modifications (Proposed Change Number (PCN) 126), for the reload analysis (PCN 147-153), for inclusion of heated junction thermocouples (PCN 128), and for Steam Generator tube wall thinning criteria (PCN 141).

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. 217

b) In the spent fuel storage pool 0

7. Licensed spent fuel storage capacity. 800

Intended change in spent fuel storage capacity. NA

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

Approximately 1997.

NRC MONTHLY OPERATING REPORT

DOCKET NO. 50-362
UNIT SONGS - 3
DATE 3/15/84
COMPLETED BY C. A. Morris
TELEPHONE (714) 492-7700
Ext. 56264

OPERATING STATUS

1. Unit Name: San Onofre Nuclear Generating Station, Unit 3
2. Reporting Period: 1 February 1984 through 29 February 1984
3. Licensed Thermal Power (MWt): 3390
4. Nameplate Rating (Gross MWe): 1127
5. Design Electrical Rating (Net MWe): 1070
6. Maximum Dependable Capacity (Gross MWe): 1127
7. Maximum Dependable Capacity (Net MWe): 1070
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7)
Since Last Report, Give Reasons:

NA

9. Power Level To Which Restricted, if Any (Net MWe):
10. Reasons For Restrictions, if Any:

NA

NA

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	696	1440	3774
12. Number Of Hours Reactor Was Critical	0	142.8	2222.0
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	0	123.0	1766.7
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	0	415,741	3,964,610
17. Gross Electrical Energy Generated (MWH)	0	140,226	1,238,514
18. Net Electrical Energy Generated (MWH)	-5,210	121,446	1,118,504
19. Unit Service Factor	NA	NA	NA
20. Unit Availability Factor	NA	NA	NA
21. Unit Capacity Factor (Using MDC Net)	NA	NA	NA
22. Unit Capacity Factor (Using DER Net)	NA	NA	NA
23. Unit Forced Outage Rate	NA	NA	NA
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):	NA		

25. If Shut Down At End Of Report Period, Estimated Date of Startup: 3/8/84
26. Units In Test Status (Prior To Commercial Operation):

Forecast Achieved

INITIAL CRITICALITY
INITIAL ELECTRICITY
COMMERCIAL OPERATION

- 8/29/83
- 9/25/83
Under Review

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-362
 UNIT SONGS - 3
 DATE March 15, 1984
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 TELEPHONE (714) 492-7700
Ext. 56264

MONTH February 1984

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	<u>0</u>
2	<u>0</u>
3	<u>0</u>
4	<u>0</u>
5	<u>0</u>
6	<u>0</u>
7	<u>0</u>
8	<u>0</u>
9	<u>0</u>
10	<u>0</u>
11	<u>0</u>
12	<u>0</u>
13	<u>0</u>
14	<u>0</u>
15	<u>0</u>
16	<u>0</u>

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	<u>0</u>
18	<u>0</u>
19	<u>0</u>
20	<u>0</u>
21	<u>0</u>
22	<u>0</u>
23	<u>0</u>
24	<u>0</u>
25	<u>0</u>
26	<u>0</u>
27	<u>0</u>
28	<u>0</u>
29	<u>0</u>
30	<u>NA</u>
31	<u>NA</u>

UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT MONTH FEBRUARY, 1984

DOCKET NO. 50-362
UNIT NAME SONGS - 3
DATE 3/15/84
COMPLETED BY C. A. Morris
TELEPHONE (714) 492-7700
Ext. 56254

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	LER No.	System Code ⁴	Component Code ⁴	Cause & Corrective Action to Prevent Recurrence
1	840106	S	696	B	4	NA	NA	NA	Unit is shutdown for a surveillance and reactor coolant pump seal outage.

¹
F-Forced
S-Scheduled

²
Reason:
A-Equipment Failure (Explain)
B-Maintenance or Test
C-Refueling
D-Regulatory Restriction
E-Operator Training & License Examination
F-Administrative
G-Operational Error (Explain)
H-Other (Explain)

³
Method:
1-Manual
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4-Continuation from
Previous Month
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or greater in the
past 24 hours
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⁴ IEEE Std 803-1983

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<u>Date/Time</u>	<u>Event</u>
February 1, 0001	Unit is in Mode 5 at 127°F. The Reactor Coolant System is depressurized and drained to midloop. A surveillance and reactor coolant pump seal outage is in progress.
February 27, 0520	Entered Mode 4.
February 29, 0029	Returned to Mode 5 for repair of 3HV-9327 due to valve binding problems.
February 29, 2359	Unit is in Mode 5, at 183°F, and continuing in the surveillance outage.

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REFUELING INFORMATION

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1. 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.
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. 217
 - b) In the spent fuel storage pool. 0
7. Licensed spent fuel storage capacity. 800
Intended change in spent fuel storage capacity. NA
8. Projected date of last refueling that can be discharged to spent fuel storage pool assuming present capacity.

NA