NRC MONTHLY OPERATING REPORT

DOCKET NO: 50-361
UNIT NAME: SONGS - 2
DATE: 3-13-92
COMPLETED BY: M. M. Farr
TELEPHONE: (714) 368-9787

OPERATING STATUS

1. Unit Name: San Onofre Nuclear Generating Station, Unit 2
2. Reporting Period: February 1992
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): NA
10. Reasons For Restrictions, If Any: NA

		This Month	Yr.-to-Date	Cumulative
11.	Hours In Reporting Period	696.00	1,440.00	74,833.00
12.	Number Of Hours Reactor Was Critical	696.00	1,440.00	53,932.25
13.	Reactor Reserve Shutdown Hours	0.00	0.00	0.00
14.	Hours Generator On-Line	696.00	1,440.00	52,881.55
15.	Unit Reserve Shutdown Hours	0.00	0.00	0.00
16.	Gross Thermal Energy Generated (MWH)	2,347,411.99	4,805,481.87	172,327,517.30
17.	Gross Electrical Energy Generated (MWH)	806,731.00	1,648,191.00	58,449,493.50
18.	Net Electrical Energy Generated (MWH)	768,963.00	1,571,032.00	55,383,366.83
19.	Unit Service Factor	100.00%	100.00%	70.67%
20.	Unit Availability Factor	100.00%	100.00%	70.67%
21.	Unit Capacity Factor (Using MDC Net)	103.26%	101.96%	69.17%
22.	Unit Capacity Factor (Using DER Net)	103.26%	101.96%	69.17%
23.	Unit Forced Outage Rate	0.00%	0.00%	6.76%

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): None
25. If Shutdown At End Of Report Period, Estimated Date of Startup: NA
26. Units In Test Status (Prior To Commercial Operation):

	Forecast	Achieved
INITIAL CRITICALITY	NA	NA
INITIAL ELECTRICITY	NA	NA
COMMERCIAL OPERATION	NA	NA

mor.feb/2

AVERAGE DAILY UNIT POWER LEVEL

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TELEPHONE: (714) 368-9787

MONTH: February 1992

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1100.67	17	1106.00
2	1078.71	18	1107.25
3	1109.21	19	1108.04
4	1094.83	20	1107.63
5	1110.46	21	1102.04
6	1111.96	22	1107.00
7	1112.21	23	1106.17
8	1101.33	24	1106.50
9	1110.42	25	1105.13
10	1109.83	26	1104.67
11	1109.00	27	1100.75
12	1107.50	28	1095.75
13	1107.38	29	1102.04
14	1101.46		
15	1107.92		
16	1105.71		

mor.feb/3

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: February 1992

DOCKET NO: 50-361
UNIT NAME: SONGS - 2
DATE: 3-13-92
COMPLETED BY: M. M. Farr
TELEPHONE: (714) 368-9787

No.	Date	Type[1]	Duration (Hours)	Reason[2]	Method of Shutting Down Reactor[3]	LER No.	System Code[4]	Component Code[5]	Cause & Corrective Action to Prevent Recurrence
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

[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 in the Average Daily Power Level of more than 20% from the previous day
6-Other (Explain)

[4]IEEE Std 805-1984

[5]IEEE Std 803A-1983

mor.feb/4

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

DOCKET NO: 50-361
UNIT NAME: SONGS - 2
DATE: 3-13-92
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TELEPHONE: (714) 368-9787

Date	Time	Event
February 1	0001	Unit is in Mode 1 at 100% reactor power. Turbine load at 1040 MWe gross.
	0015	Turbine returned to full load, 1155 MWe.
	2215	HP governor valve UV2200B tripped closed. Unit stabilized with SBCS.
	2250	Commenced reactor power decrease to 93% to close SBCS valves.
	2400	Reactor at 95% power, SBCS valves closed.
February 2	0808	Commenced reactor power increase to 100% following UV2200B return to service.
	1025	Reactor at 100% power.
February 4	0120	HP governor valve UV2200B tripped closed. Unit stabilized with SBCS.
	0135	Commenced reactor power decrease to 95% to close SBCS valves.
	0220	Reactor at 95% power, SBCS valves closed.
	0545	Commenced reactor power increase to 100% following UV2200B return to service.
	0645	Reactor at 100% power.
February 29	2400	Unit is in Mode 1 at 100% reactor power. Turbine load at 1150 MWe gross.

mor.feb/5

REFUELING INFORMATION

DOCKET NO: 50-361
UNIT NAME: SONGS - 2
DATE: 3-13-92
COMPLETED BY: M. M. Farr
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MONTH: February 1992

1. Scheduled date for next refueling shutdown.

   Cycle 7 refueling outage is forecast for May 1993.

2. Scheduled date for restart following refueling.

   Restart from Cycle 7 refueling outage is forecast for July 1993.

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

   Not yet determined for Cycle 7.

   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.

mor.feb/6

REFUELING INFORMATION

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MONTH: February 1992

6. The number of fuel assemblies.

   a) In the core. 217

   b) In the spent fuel storage pool. 554 (484 Unit 2 Spent Fuel Assemblies, 70 Unit 1 Spent Fuel Assemblies)

7. Licensed spent fuel storage capacity. 1542

   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.

   Approximately 2001 (full off load capability)

NRC MONTHLY OPERATING REPORT

DOCKET NO: 50-362
UNIT NAME: SONGS - 3
DATE: 3-13-92
COMPLETED BY: M. M. Farr
TELEPHONE: (714) 368-9787

OPERATING STATUS

1. Unit Name: San Onofre Nuclear Generating Station, Unit 3
2. Reporting Period: February 1992
3. Licensed Thermal Power (MWt): 3390
4. Nameplate Rating (Gross MWe): 1127
5. Design Electrical Rating (Net MWe): 1080
6. Maximum Dependable Capacity (Gross MWe): 1127
7. Maximum Dependable Capacity (Net MWe): 1080
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): NA
10. Reasons For Restrictions, If Any: NA

		This Month	Yr.-to-Date	Cumulative
11.	Hours In Reporting Period	696.00	1,440.00	69,384.00
12.	Number Of Hours Reactor Was Critical	0.00	569.43	53,067.68
13.	Reactor Reserve Shutdown Hours	0.00	0.00	0.00
14.	Hours Generator On-Line	0.00	569.42	51,640.43
15.	Unit Reserve Shutdown Hours	0.00	0.00	0.00
16.	Gross Thermal Energy Generated (MWH)	0.00	1,903,579.98	165,191,004.44
17.	Gross Electrical Energy Generated (MWH)	0.00	640,736.00	56,040,761.00
18.	Net Electrical Energy Generated (MWH)	(2,796.61)	604,038.40	52,922,145.69
19.	Unit Service Factor	0.00%	39.54%	74.43%
20.	Unit Availability Factor	0.00%	39.54%	74.43%
21.	Unit Capacity Factor (Using MDC Net)	0.00%	38.84%	70.52%
22.	Unit Capacity Factor (Using DER Net)	0.00%	38.84%	70.62%
23.	Unit Forced Outage Rate	0.00%	0.00%	7.67%

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): Cycle 6 refueling outage commenced on January 24, 1992, in progress. Outage duration scheduled for 85 days.
25. If Shutdown At End Of Report Period, Estimated Date of Startup: April, 1992
26. Units In Test Status (Prior To Commercial Operation):

	Forecast	Achieved
INITIAL CRITICALITY	NA	NA
INITIAL ELECTRICITY	NA	NA
COMMERCIAL OPERATION	NA	NA

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO: 50-361
UNIT NAME: SONGS - 3
DATE: 3-13-92
COMPLETED BY: M. M. Farr
TELEPHONE: (714) 368-9787

MONTH: February 1992

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0.00	17	0.00
2	0.00	18	0.00
3	0.00	19	0.00
4	0.00	20	0.00
5	0.00	21	0.00
6	0.00	22	0.00
7	0.00	23	0.00
8	0.00	24	0.00
9	0.00	25	0.00
10	0.00	26	0.00
11	0.00	27	0.00
12	0.00	28	0.00
13	0.00	29	0.00
14	0.00		
15	0.00		
16	0.00		

mor.feb/9

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: February 1992

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No.	Date	Type[1]	Duration (Hours)	Reason[2]	Method of Shutting Down Reactor[3]	LER No.	System Code[4]	Component Code[5]	Cause & Corrective Action to Prevent Recurrence
63	920124	S	696.00	C	5	NA	NA	NA	Cycle 6 refueling 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
2-Manual Scram.
3-Automatic Scram.
4-Continuation from Previous Month
5-Reduction in the Average Daily Power Level of more than 20% from the previous day
6-Other (Explain)

[4]IEEE Std 805-1984

[5]IEEE Std 803A-1983

mor.feb/10

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

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Date	Time	Event
February 1	0001	Unit is in Mode 6, day 15 of the Cycle 6 refueling outage.
February 5	0912	Commenced core alterations and off loading.
February 9	0804	Completed off loading the core. Alterations secured.
February 19	0521	Commenced reload of fuel assemblies into the reactor core. Entered Mode 6. Core alterations in progress.
February 23	0800	Completed reloading the core. Alterations secured.
February 26	0525	Completed installation of reactor head.
February 27	2225	Entered Mode 5.
February 29	2400	Unit is in Mode 5, day 43 of the Cycle 6 refueling outage.

REFUELING INFORMATION

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MONTH: February 1992

1. Scheduled date for next refueling shutdown.

   Cycle 6 refueling outage began January 24, 1992.

2. Scheduled date for restart following refueling.

   Restart from Cycle 6 refueling outage is forecast for April 1992.

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

   Yes.

   What will these be?

   All license amendments associated with the Cycle 6 refueling outage have been approved.

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

   Not applicable.

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.

   None.

mor.feb/12

REFUELING INFORMATION

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MONTH: February 1992

6. The number of fuel assemblies.

   a) In the core. 217

   b) In the spent fuel storage pool. 553 (484 Unit 3 Spent Fuel Assemblies, 69 Unit 1 Spent Fuel Assemblies)

7. Licensed spent fuel storage capacity. 1542

   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.

   Approximately 2003 (full off load capability)

mor.feb/13