

NRC MONTHLY OPERATING REPORT

DOCKET NO. 50-206
 DATE 5-4-79
 COMPLETED BY J.P. Rodriguez
 TELEPHONE (714) 492-7700

OPERATING STATUS

1. Unit Name: SAN ONOFRE NUCLEAR GENERATING STATION-UNIT 1
 2. Reporting Period: April 1, 1979 to April 30, 1979
 3. Licensed Thermal Power (MWt): 1347
 4. Nameplate Rating (Gross MWe): 456
 5. Design Electrical Rating (Net MWe): 436
 6. Maximum Dependable Capacity (Gross MWe): 456
 7. Maximum Dependable Capacity (Net MWe): 436
 8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:
N.A.
-
9. Power Level To Which Restricted, If Any (Net MWe): N.A.
 10. Reasons For Restrictions, If Any: N.A.

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	719	2879	78612.29
12. Number Of Hours Reactor Was Critical	637	2797	77512.88
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	637	2797	74044.21
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	848005.	3745434.	94754096.
17. Gross Electrical Energy Generated (MWH)	285000.	1263600.	32414834.
18. Net Electrical Energy Generated (MWH)	270945.	1204428.	30696263.
19. Unit Service Factor	88.6	97.2	74.6
20. Unit Availability Factor	88.6	97.2	74.6
21. Unit Capacity Factor (Using MDC Net)	86.9	96.1	72.0
22. Unit Capacity Factor (Using DER Net)	86.9	96.1	72.0
23. Unit Forced Outage Rate	11.4	2.85	9.45
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): None			

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

INITIAL CRITICALITY _____
 INITIAL ELECTRICITY _____
 COMMERCIAL OPERATION _____

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-206

UNIT SONGS-1

DATE 5-4-79

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MONTH APRIL

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	431
2	430
3	427
4	426
5	369
6	0
7	0
8	0
9	190
10	426
11	433
12	434
13	434
14	433
15	433
16	432

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	430
18	432
19	434
20	436
21	436
22	387
23	435
24	436
25	436
26	436
27	433
28	434
29	434
30	433
31	

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-206
 UNIT NAME SONGS-1
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REPORT MONTH April

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
7	4-4	S	1.3	B	4	N.A.	HB	VALVEX	Turbine stop valve test.
8	4-5	F	82.0	A	1	79-02	CH	INSTRU	Feedwater flow straightener dislodged from its permanent location causing erroneous feed flow indication. Flow straighteners were fitted into a welded ring restraint and re-enforced the welded end of each straightener assembly.
9	4-22	S	7.17	B	4	N.A.	HF	HTEXCH	Condenser tube leak.
							HF	NA	Heat treat of circulating water system.
							HJ	PIPEXX	Steam leak-repaired welded pipe nipple and isolation valve.

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-Other (Explain)

⁴
 Exhibit F - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

⁵
 Exhibit H- Same Source

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

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At the beginning of the month the unit was operating at 100% reactor power and 451 MWe.

On April 4 at 0500, unit load was reduced to 365 MWe to perform turbine stop valve test. The unit was returned to full load, 100% reactor power and 450 MWe, at 0620.

On April 4, continuous surveillance of steam-feedwater flow conditions was instituted due to a shift of the feedwater flow straightener in loop B. Feed flow measurement of loop C had been corrected due to a similar problem.

On April 5 at 1336, a major condenser tube leak was discovered. Unit load was reduced to 360 MWe to investigate and stop the tube leak. At 2247, the unit was taken off line and the reactor placed in hot shutdown condition to repair the condenser tube leak and the feedwater flow straighteners.

On April 9 at 0759, after completion of repairs, the unit was returned to power and full load was achieved at 1800 hrs.

On April 13, continuous manning at the auxiliary feedwater header was instituted in compliance with NRC directive.

On April 22 at 0800, unit load was reduced to 370 MWe to heat treat the circulating water intake tunnel. Load was further reduced to 150 MWe at 1117 for repairs of a steam leak in a turbine steam extraction line. Unit load was returned to 450 MWe at 1510.

On April 26, safety injection initiation logic was changed, from 2 of 3 low pressurizer pressure and 2 of 3 low pressurizer level to 2 of 3 low pressurizer pressure only, at the request of the NRC.

At the end of the month the unit was operating at 100% reactor power and 453 MWe.

REFUELING INFORMATION

DOCKET NO. 50-206
UNIT SONGS 1
DATE 5/4/1979
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1. Scheduled date for next refueling shutdown.
March 21, 1980
2. Scheduled date for restart following refueling.
May 5, 1980
3. Will refueling or resumption of operation thereafter require a Technical Specification change or other license amendment?
No changes expected at this date.
What will these be?
N.A.
4. Scheduled date for submitting proposed licensing action and supporting information.
N.A.
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
6. The number of fuel assemblies.
 - a) In the core 157
 - b) In the spent fuel storage pool. 58
7. Licensed spent fuel storage capacity. 216
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.
January 11, 1983