

NRC MONTHLY OPERATING REPORT

DOCKET NO. 50-206
 DATE 12/5/78
 COMPLETED BY Wayne Gould
 TELEPHONE (714) 492-7700

OPERATING STATUS

1. Unit Name: SAN ONOFRE NUCLEAR GENERATING STATION-UNIT 1
 2. Reporting Period: November 1 to November 30, 1978
 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	720	8,016	100,472.3
12. Number Of Hours Reactor Was Critical	677.25	6,419.57	73,978.88
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	596.24	6,291.44	70,515.6
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	746,777	7,565,980	90,036,300
17. Gross Electrical Energy Generated (MWH)	250,800,000	2,501,400,000	30,821,834,000
18. Net Electrical Energy Generated (MWH)	236,955,000	2,365,015,000	29,177,990,000
19. Unit Service Factor	82.81	78.43	73.69
20. Unit Availability Factor	82.81	78.48	73.69
21. Unit Capacity Factor (Using MDC Net)	75.48	67.67	71.1
22. Unit Capacity Factor (Using DER Net)	75.48	67.67	71.1
23. Unit Forced Outage Rate	2.47	.38	9.77

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
A hot shutdown is scheduled for December 19 for operator testing.
Duration estimated to be 14 hours.

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

INITIAL CRITICALITY _____
 INITIAL ELECTRICITY _____
 COMMERCIAL OPERATION _____

7812190159

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-206

UNIT SONGS 1

DATE 12/5/78

COMPLETED BY Wayne Gould

TELEPHONE (714) 492-7700

MONTH November, 1978

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0
2	0
3	0
4	0
5	10
6	88.3
7	260
8	390
9	398
10	168.2
11	424
12	430
13	432
14	432
15	430
16	431

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	431
18	431
19	430
20	431
21	431
22	431
23	431
24	431
25	432
26	431
27	430
28	430
29	432
30	431
31	

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH November, 1978

DOCKET NO. 50-206
 UNIT NAME SONGS-1
 DATE 12/5/78
 COMPLETED BY Wayne Gould
 TELEPHONE (714) 492-7700

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
34	9-15-78	S	1214.7	C	1	N.A.	ZZ	ZZZZZZ	Refueling
35	11-05-78	S	.32	B	N.A.	N.A.	HA	TURBIN	Turbine Overspeed Test (Reactor not Tripped)
36	11-06-78	F	4.47	A	3	N.A.	CC	INSTRU	Steam Feedwater Flow Mismatch
37	11-10-78	F	10.17	A	3	N.A.	CB	INSTRU	Instrumentation Failure

¹
 F: Forced
 S: Scheduled

²
 Reason:
 A-Equipment Failure (Explain)
 B-Maintenance of 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

DOCKET NO. 50-206

UNIT SONGS-1

DATE 12/5/78

COMPLETED BY Wayne Gould

TELEPHONE 714) 492-7700

On November 5, 1978 the unit was returned to service ending the refueling outage which began September 15, 1978.

The turbine was tripped on November 5, 1978 during a turbine overspeed trip test. The reactor was below 10% power at this time and therefore remained critical. The unit was returned to service on the same day following completion of the testing.

On November 5, 1978 the unit was tripped due to a spurious steam-feedwater flow mismatch. Instrumentation was recalibrated and the unit was returned to service on November 6, 1978.

The unit was tripped on November 10 due to an instrument malfunction indicating a low flow condition of the reactor coolant system. The unit was returned to service the same day.

At month's end the unit was operating at a gross power of 451 MWe.

REFUELING INFORMATION

DOCKET NO. 50-206

UNIT SONGS-1

DATE 12/5/78

COMPLETED BY Wayne Gould

TELEPHONE (714) 492-7700

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 are 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