

NRC MONTHLY OPERATING REPORT

DOCKET NO. 50-206
UNIT NAME SONGS - 1
DATE December 13, 1985
COMPLETED BY E. R. Siacor
TELEPHONE (714) 368-6223

OPERATING STATUS

1. Unit Name: San Onofre Nuclear Generating Station, Unit 1
2. Reporting Period: November 1985
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:
NA
9. Power Level To Which Restricted, If Any (Net MWe): 390
10. Reasons For Restrictions, If Any: Self-imposed power level limit to control steam generator tube corrosion.

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	720.00	8,016.00	161,840.00
12. Number Of Hours Reactor Was Critical	484.85	6,783.91	96,103.29
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	484.85	6,730.90	92,371.77
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	598,478.87	8,122,911.75	117,310,227.05
17. Gross Electrical Energy Generated (MWH)	194,400.00	2,619,000.00	39,829,634.00
18. Net Electrical Energy Generated (MWH)	182,795.00	2,459,628.00	37,642,341.00
19. Unit Service Factor	67.34%	83.97%	57.08%
20. Unit Availability Factor	67.34%	83.97%	57.08%
21. Unit Capacity Factor (Using MDC Net)	58.23%	70.38%	53.35%
22. Unit Capacity Factor (Using DER Net)	58.23%	70.38%	53.35%
23. Unit Forced Outage Rate	29.12%	12.38%	21.12%
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): Six month refueling shutdown initially scheduled for 11/29/85. Actual shutdown 11/21/85 due to forced outage.			

25. If Shutdown At End Of Report Period, Estimated Date of Startup: May 1986
26. Units In Test Status (Prior To Commercial Operation): Forecast Achieved

INITIAL CRITICALITY
INITIAL ELECTRICITY
COMMERCIAL OPERATION

NA	NA
NA	NA
NA	NA

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AVERAGE DAILY UNIT POWER LEVEL

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MONTH: November 1985

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	378.81
2	380.38
3	317.71
4	380.38
5	386.04
6	386.63
7	385.04
8	385.29
9	384.58
10	385.75
11	386.10
12	387.00
13	387.21
14	387.04
15	388.21
16	388.96

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	388.79
18	386.92
19	387.21
20	374.47
21	33.13
22	0.00
23	0.00
24	0.00
25	0.00
26	0.00
27	0.00
28	0.00
29	0.00
30	0.00
31	N/A

UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT MONTH NOVEMBER 1985

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No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down ³ Reactor	LER No.	System Code ⁴	Component Code ⁴	Cause & Corrective Action to Prevent Recurrence
93	851121	F	199.15	A	1	85-017	EA	XFMR	The Auxiliary Transformer "C" relayed from differential protection resulting in loss of power to Vital Bus #4 and the reactor was manually tripped. Cause of Auxiliary Transformer "C" relaying has not been determined. Investigation is continuing.
		S	36	C	NA	NA	NA	NA	Cycle IX 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 of 20%
or Greater in the
Past 24 Hours
6-Other (Explain)

⁴
IEEE Std. 803-1983

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

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<u>DATE</u>	<u>TIME</u>	<u>EVENT</u>
November 1	0001	Unit is in Mode 1 at 93.5% reactor power. Turbine load is 402 MWe gross.
November 20	2100	Commenced load reduction for inspection of South Condenser Water Boxes tube leaks.
November 20	2135	Reactor power is 60%. Turbine load is 254 MWe gross.
November 20	2350	A 100% ground was noted on 4KV Bus 1C and action was initiated to locate and isolate the ground.
November 21	0450	Auxiliary Transformer "C" relayed from differential protection resulting in loss of power to Vital Bus #4.
November 21	0451	The reactor was manually tripped and an orderly plant shutdown was commenced.
November 21	0800	Entered Mode 4.
November 21	1508	Entered Mode 5.
November 30	2400	Unit is in Mode 5, and is scheduled to remain shutdown until completion of Cycle IX Refueling.

REFUELING INFORMATION

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MONTH: November 1985

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. 157

b) In the spent fuel storage pool. 94

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.

February 1988



Southern California Edison Company

SAN ONOFRE NUCLEAR GENERATING STATION

P. O. BOX 128

SAN CLEMENTE, CALIFORNIA 92672

H. E. MORGAN
STATION MANAGER

TELEPHONE
(714) 368-6241

December 13, 1985

Director
Office of Resource Management
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Sir:

Subject: Docket No. 50-206
Monthly Operating Report for November 1985
San Onofre Nuclear Generating Station, Unit 1

Enclosed is the Monthly Operating Report as required by Section 6.9.1.10 of Appendix A, Technical Specifications to Provisional Operating License DPR-13 for San Onofre Nuclear Generating Station, Unit 1.

Please contact us if we can be of further assistance.

Sincerely,

Enclosures

cc: J. B. Martin (Regional Administrator, USNRC Region V)

F. R. Huey (USNRC Senior Resident Inspector, Units 1, 2 and 3)

INPO Records Center

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