Southern California Edison Company

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November 15, 1989

U. S. Nuclear Regulatory Commission
Document Control Desk
Washington, D.C. 20555

Subject: Docket No. 50-206
Monthly Operating Report for October 1989
San Onofre Nuclear Generating Station, Unit 1

The purpose of this letter is to provide the Monthly Operating Report required by Section 6.9.1.10 of Appendix A, Technical Specifications to Facility Operating License DPR-13 for San Onofre Nuclear Generating Station, Unit 1.

If you require additional information, please advise.

Very truly yours,

Enclosures

cc: J. B. Martin (Regional Administrator, USNRC Region V)
C. W. Caldwell (USNRC Senior Resident Inspector, Units 1, 2 and 3)
Institute of Nuclear Power Operations (INPO)

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NRC MONTHLY OPERATING REPORT

DOCKET NO: 50-206
UNIT NAME: SONGS - 1
DATE: November 15, 1989
COMPLETED BY: E. R. Siacor
TELEPHONE: (714) 368-6223

OPERATING STATUS

1. Unit Name: San Onofre Nuclear Generating Station, Unit 1
2. Reporting Period: October 1989
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	745.00	7,296.00	196,184.00
12. Number Of Hours Reactor Was Critical	745.00	2,639.32	112,918.51
13. Reactor Reserve Shutdown Hours	0.00	0.00	0.00
14. Hours Generator On-Line	745.00	2,519.07	108,749.56
15. Unit Reserve Shutdown Hours	0.00	0.00	0.00
16. Gross Thermal Energy Generated (MWH)	873,433.00	2,775,003.00	136,428,740.75
17. Gross Electrical Energy Generated (MWH)	290,400.00	898,800.00	46,050,728.42
18. Net Electrical Energy Generated (MWH)	273,900.00	821,437.00	43,417,455.00
19. Unit Service Factor	100.00%	34.53%	55.43%
20. Unit Availability Factor	100.00%	34.53%	55.43%
21. Unit Capacity Factor (Using MDC Net)	84.32%	25.82%	50.76%
22. Unit Capacity Factor (Using DER Net)	84.32%	25.82%	50.76%
23. Unit Forced Outage Rate	0.00%	34.40%	19.93%

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): NA
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

AVERAGE DAILY UNIT POWER LEVEL

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MONTH: October 1989

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	378.92	17	253.08
2	378.25	18	350.92
3	377.88	19	379.00
4	378.21	20	378.13
5	377.33	21	376.58
6	376.96	22	376.38
7	377.83	23	376.29
8	380.00	24	377.04
9	379.58	25	378.54
10	381.25	26	380.67
11	381.29	27	379.17
12	381.83	28	378.25
13	381.04	29	392.42
14	378.88	30	355.58
15	378.71	31	215.13
16	377.38		

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UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: OCTOBER 1989

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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
132	891017	S	0.00	B	5	NA	KE	NA	Power reduction of 20% or greater to allow removal from service of the South Circulating Water Pump for inspection and repairs to the travelling South Bar Rake. The Rake's lower sprockets were found failed and repaired.

[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)

3Method:
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 805-1984

[5]IEEE Std 803A-1983

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UNIT SHUTDOWNS AND POWER REDUCTIONS

MONTH: OCTOBER 1989

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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
133	891031	S	0.00	B	5	NA	KE	NA	Power reduction of 20% or greater to allow removal fr service of the South Circulating Water Pump for installation of the travelling South Bar Rake following completion of repairs.

[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)

3Method:
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 805-1984

[5]IEEE Std 803A-1983

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SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

DOCKET NO: 50-206
UNIT NAME: SONGS - 1
DATE: November 15, 1989
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Date	Time	Event
October 1	0001	Unit is in Mode 1 at 91% reactor power. Turbine load at 400 MWe gross.
October 17	0530	Commenced reactor power decrease to allow removal from service of the South Circulating Water Pump for inspection and repairs to the travelling South Bar Rake.
	0609	Reactor at 65% power. South Circulating Water Pump secured.
October 18	0320	South Circulating Water Pump returned to service following removal of the South Bar Rake from the intake structure for repairs. Commenced reactor power increase.
	0454	Reactor at 91% power.
October 30	2030	Commenced reactor power decrease to allow removal from service of the South Circulating Water Pump for installation of the travelling South Bar Rake.
	2106	Reactor at 65% power. South Circulating Pump secured.

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SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

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Date	Time	Event
October 31	0923	Completed installation of the travelling South Bar Rake. Commenced reactor power increase.
	2210	Reactor at 78% power. Commenced preparations for heat treating operations.
	2400	Unit is in Mode 1 at 67% power. Turbine load at 259 MWe gross. Heat treating operations in progress.

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REFUELING INFORMATION

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MONTH: October 1989

1. Scheduled date for next refueling shutdown.

   June 30, 1990

2. Scheduled date for restart following refueling.

   December 1990

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

   Yes.

   What will these be?

   a) License Amendment requesting an extension of the steam generator inspection interval such that the inspection can be deferred to the Cycle 11 refueling outage.

   b) License Amendment associated with the implementation schedule for the Reactor Vessel Level Instrumentation System (RVLIS).

   c) Evaluation is underway for other Technical Specification change(s) or license amendment(s) which may be required for refueling or subsequent operation.

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

   a) The steam generator inspection interval License Amendment was submitted on October 31, 1989.

   b) The RVLIS License Amendment was submitted on November 1,1989.

   c) Not yet specifically determined for others.

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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. Under evaluation.

6. The number of fuel assemblies.

   a) In the core. 157

   b) In the spent fuel storage pool. 59

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.

   Approximately 1995 (refueling only)

   Approximately 1991 (full off load capability)

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