

NRC MONTHLY OPERATING REPORT

DOCKET NO. 50-206  
 DATE 2-8-80  
 COMPLETED BY P. Wattson  
 TELEPHONE (714) 492-7700

OPERATING STATUS

1. Unit Name: San Onofre Nuclear Generating Station - Unit 1
2. Reporting Period: January 1, 1980 to January 31, 1980
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.

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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	<u>744</u>	<u>744</u>	<u>110,720.3</u>
12. Number Of Hours Reactor Was Critical	<u>568.07</u>	<u>568.07</u>	<u>83,200.40</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
14. Hours Generator On-Line	<u>564.90</u>	<u>564.90</u>	<u>79,717.45</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>750,876</u>	<u>750,876</u>	<u>102,282,375</u>
17. Gross Electrical Energy Generated (MWH)	<u>247,200</u>	<u>247,200</u>	<u>34,918,634</u>
18. Net Electrical Energy Generated (MWH)	<u>236,191</u>	<u>236,191</u>	<u>33,083,557</u>
19. Unit Service Factor	<u>75.93</u>	<u>75.93</u>	<u>75.50</u>
20. Unit Availability Factor	<u>75.93</u>	<u>75.93</u>	<u>75.50</u>
21. Unit Capacity Factor (Using MDC Net)	<u>72.81</u>	<u>72.81</u>	<u>72.72</u>
22. Unit Capacity Factor (Using DER Net)	<u>72.81</u>	<u>72.81</u>	<u>72.72</u>
23. Unit Forced Outage Rate	<u>8.01</u>	<u>8.01</u>	<u>9.28</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):  
Refueling April 11, 1980 - 7 to 10 weeks

25. If Shut Down At End Of Report Period, Estimated Date of Startup: February 10, 1980

26. Units In Test Status (Prior to Commercial Operation): N.A.

INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-206  
 UNIT SONGS-1  
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MONTH January, 1980

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	429	17	0
2	432	18	315
3	425	19	424
4	431	20	425
5	430	21	424
6	431	22	423
7	429	23	424
8	429	24	425
9	428	25	426
10	427	26	14
11	429	27	0
12	428	28	0
13	404	29	0
14	422	30	0
15	402	31	0
16	175		

UNIT SHUTDOWNS AND POWER REDUCTIONS

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 UNIT NAME SONGS-1  
 DATE 2-8-80  
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REPORT MONTH January

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
39	1 - 3-80	S	1.3	B	5 <del>A</del>	<del>A.A.</del>	HB	VALVEX	Turbine Stop Valve Test
40	1 -13-80	S	5.25	B	5 <del>A</del>	<del>A.A.</del>	HB	VALVEX	Turbine Stop Valve Test
41	1 -15-80	S	8.0	B	5 <del>A</del>	<del>A.A.</del>	CA <del>HC</del>	PIPEXX <del>HEECH</del>	RCS Flow Tests Clear Condenser Water Boxes
42	1 -16-80	F	37.8 <del>34.6</del>	H	3	80-002	CH	RELAYX	Accident Caused by Construction Worker
43	1 -26-80	S	141.3 <del>141.2</del>	H	1	<del>A.A.</del>	ZZ	ZZZZZZ	TMI Modifications

<sup>1</sup>  
 F: Forced  
 S: Scheduled

<sup>2</sup>  
 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)

<sup>3</sup>  
 Method:  
 1-Manual  
 2-Manual Scram.  
 3-Automatic Scram.  
 4-Other (Explain)

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

<sup>5</sup>  
 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 449 MWe.

On January 3 at 0430 the unit load was reduced to 340 MWe for a turbine stop valve test. Unit was returned to full load at 0550.

On January 13 at 0600 the unit load was reduced to 360 MWe to perform a turbine stop valve test, and to heat treat the circulating water system inlet tunnel. The unit was returned to full load at 1115.

On January 15 at 2200, the unit load was reduced to 200 MWe to perform quarterly R.C.S. flow tests and to clear condenser water boxes. The unit returned to full power on January 16 at 0600.

On January 16 at 1219 the unit tripped from steam flow/feedwater flow mismatch trip caused by Bechtel construction worker who accidentally struck the closing circuit control relay to the east feedwater pump normal discharge valve (See LER 80-002). The reactor was critical on January 17 at 2255. The unit was returned to full load on January 18 at 1330.

On January 26 at 0240 the unit was brought off line to complete TMI plant modifications.

At the end of the month the unit remained off line for TMI modifications.

REFUELING INFORMATION

DOCKET NO. 50-206  
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1. Scheduled date for next refueling shutdown.  
 April, 1980
2. Scheduled date for restart following refueling.  
 June, 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. 55
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.  
 April, 1983