

## NRC MONTHLY OPERATING REPORT

2

DOCKET NO. 50-367  
 REVISION DATE Feb. 15/83  
 COMPLETED BY L. Mayweather  
 TELEPHONE 714/492-7700  
 Ext. 56223

OPERATING STATUS

1. Unit Name: San Onofre Nuclear Generating Station, Unit 2  
 2. Reporting Period: 1 September through 30 September, 1982 (Revised)  
 3. Licensed Thermal Power (MWt): 3390  
 4. Nameplate Rating (Gross MWe): 1127  
 5. Design Electrical Rating (Net MWe): 1087  
 6. Maximum Dependable Capacity (Gross MWe): 1127  
 7. Maximum Dependable Capacity (Net MWe): 1087  
 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): \_\_\_\_\_  
 10. Reasons For Restrictions, If Any: \_\_\_\_\_

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	251.5	251.5	251.5
12. Number Of Hours Reactor Was Critical	42.8	42.8	42.8
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	9	9	9
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	4,512	4,512	4,512
17. Gross Electrical Energy Generated (MWH)	1,500	1,500	1,500
18. Net Electrical Energy Generated (MWH)	0	0	0
19. Unit Service Factor	NA	NA	NA
20. Unit Availability Factor	NA	NA	NA
21. Unit Capacity Factor (Using MDC Net)	0	0	0
22. Unit Capacity Factor (Using DER Net)	0	0	0
23. Unit Forced Outage Rate	0	0	0
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):	<u>None</u>		

25. If Shut Down At End Of Report Period. Estimated Date of Startup: NA
26. Units In Test Status (Prior to Commercial Operation):
- |                      | Forecast     | Achieved |
|----------------------|--------------|----------|
| INITIAL CRITICALITY  | 7/17/82      | 7/26/82  |
| INITIAL ELECTRICITY  | 9/82         | 9/20/82  |
| COMMERCIAL OPERATION | Under review |          |

**UNIT SHUTDOWNS AND POWER REDUCTIONS**

REPORT MONTH September, 1982  
REVISED

DOCKET NO. 50-361  
UNIT NAME SONGS - 2  
Revision DATE Feb. 15/1983  
COMPLETED BY L. Mayweather  
TELEPHONE 714/492-7700 Ext/56223

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
1	820922	S	242.5	B	1	NA	CA	VALVEX	Shutdown to repair packing leak in Pressurizer Spray Valves.

<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-Continuation from previous month  
5.Reduction of 20% or greater in the past 24 hours  
9.Other (Explain)

<sup>4</sup>  
Exhibit F - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (FER) File (NURIG 0161)  
Exhibit H Same Source

## NRC MONTHLY OPERATING REPORT

DOCKET NO. 50-361  
 Revision DATE Feb. 15/83  
 COMPLETED BY L. Mayweather  
 TELEPHONE 714/492-7700  
 Ext. 56223

OPERATING STATUS

San Onofre Nuclear Generating Station, Unit 2

1. Unit Name: \_\_\_\_\_  
 2. Reporting Period: 1 October, 1982 through 31 October, 1982 (Revised)  
 3. Licensed Thermal Power (MWT): 3390  
 4. Nameplate Rating (Gross MWe): 1127  
 5. Design Electrical Rating (Net MWe): 1087  
 6. Maximum Dependable Capacity (Gross MWe): 1127  
 7. Maximum Dependable Capacity (Net MWe): 1087  
 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): NA  
 10. Reasons For Restrictions, If Any: NA

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	745	996.5	996.5
12. Number Of Hours Reactor Was Critical	234.7	277.5	277.5
13. Reactor Reserve Shutdown Hours	0.0	0.0	0.0
14. Hours Generator On-Line	185	194	194
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	139,128	143,640	143,640
17. Gross Electrical Energy Generated (MWH)	18,162	19,662	19,662
18. Net Electrical Energy Generated (MWH)	0	0	0
19. Unit Service Factor	NA	NA	NA
20. Unit Availability Factor	NA	NA	NA
21. Unit Capacity Factor (Using MDC Net)	0	0	0
22. Unit Capacity Factor (Using DER Net)	0	0	0
23. Unit Forced Outage Rate	0	0	0
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):	Forecast	Achieved
INITIAL CRITICALITY	7/17/82	7/26/82
INITIAL ELECTRICITY	9/82	9/20/82
COMMERCIAL OPERATION	Under review	

**UNIT SHUTDOWNS AND POWER REDUCTIONS**

REPORT MONTH OCTOBER 1982 (Revised)

DOCKET NO. 52-361  
 UNIT NAME SONGS - 2  
 Revision DATE Feb. 15/83  
 COMPLETED BY L. Mayweather  
 TELEPHONE 714/492-7700 Ext. 56223

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
2	821001	S	560	B	1	NA	CA	VALVEX	Shutdown to repair packing leak in pressurizer spray valve.

<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 - Continuation from previous month  
 5 - Reduction of 20% or greater in the past 24 hours  
 9 - Other (Explain)

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

## NRC MONTHLY OPERATING REPORT

DOCKET NO. 50-361  
 Revision DATE Feb. 15/83  
 COMPLETED BY L. Mayweather  
 TELEPHONE 714/492-7700 Ext. 56223

OPERATING STATUS

1. Unit Name: San Onofre Nuclear Generating Station, Unit 2  
 2. Reporting Period: 1 November, 1982 through 30 November, 1982 (Revised)  
 3. Licensed Thermal Power (MWt): 3390  
 4. Nameplate Rating (Gross MWe): 1127  
 5. Design Electrical Rating (Net MWe): 1087  
 6. Maximum Dependable Capacity (Gross MWe): 1127  
 7. Maximum Dependable Capacity (Net MWe): 1087  
 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): NA  
 10. Reasons For Restrictions, If Any: NA

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>720</u>	<u>1,716.5</u>	<u>1,716.5</u>
12. Number Of Hours Reactor Was Critical	<u>459</u>	<u>736.5</u>	<u>736.5</u>
13. Reactor Reserve Shutdowns Hours	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
14. Hours Generator On-Line	<u>361</u>	<u>555</u>	<u>555</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>310,000</u>	<u>453,640</u>	<u>453,640</u>
17. Gross Electrical Energy Generated (MWH)	<u>46,750</u>	<u>66,412</u>	<u>66,412</u>
18. Net Electrical Energy Generated (MWH)	<u>17,400</u>	<u>17,400</u>	<u>17,400</u>
19. Unit Service Factor	<u>NA</u>	<u>NA</u>	<u>NA</u>
20. Unit Availability Factor	<u>NA</u>	<u>NA</u>	<u>NA</u>
21. Unit Capacity Factor (Using MDC Net)	<u>0</u>	<u>0</u>	<u>0</u>
22. Unit Capacity Factor (Using DER Net)	<u>0</u>	<u>0</u>	<u>0</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>0</u>	<u>0</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>None</u>			

25. If Shut Down At End Of Report Period, Estimated Date of Startup: NA  
 26. Units In Test Status (Prior to Commercial Operation):
- |                      | Forecast            | Achieved                    |
|----------------------|---------------------|-----------------------------|
| INITIAL CRITICALITY  | <u>7/17/82</u>      | <u>7/26/82</u>              |
| INITIAL ELECTRICITY  | <u>9/82</u>         | <u>9/20/82</u>              |
| COMMERCIAL OPERATION | <u>Under review</u> | <u>                    </u> |

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-361  
 UNIT NAME SONGS - 2  
 Revision DATE Feb. 15/83  
 COMPLETED BY L. Mayweather  
 TELEPHONE 714/494-7700

REPORT MONTH November 1982 (Revised)

Ext. 56223

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
3	821109	F	69	H	2	82-138	CH	xxxxxx	Loss of power supply to Feedwater Control System. Supply connections secured in place to permit inadvertent dislodging.
4	821111	F	14	H	3	82-144	IA	CRDRVF	Overheating of Control Element Drive Mechanism cabinet. Added controls on work performed in cabine vicinity.
5	821112	S	10	B	3	NO	IA	zzzzzz	Manual trip for testing.
6	821113	F	9	A	3	NO	HH	VALVEX	High steam generator level caused by failed open feedwater regulating valve. Corrective action under study.
7	821113	F	6	H	3	82-139	IA	CRDRVE	Slipped Control Element Assemblies. Gripper voltage increased on all regulating rods. Voltage duration increased by 100msc. for CEA 23.

<sup>1</sup>  
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 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-Continuation from previous month  
 5.Reduction of 20% or greater in the past 24 hours  
 9.Other (Explain)

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

Exhibit H Same Source

## UNIT SHUTDOWNS AND POWER REDUCTIONS

50-361

REPORT MONTH November, 1982 (Revised)

DOCKET NO. 50-361  
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 Revision DATE February 15/83  
 COMPLETED BY L. Mayweather  
 TELEPHONE 714/492-7700 Ex. 56223

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
8	821117	F	148	A	3	NA	HC	HTEXCH	Sea water leak into the condenser. Repaired condenser tubes.
9	821123	F	5	A	3	NA	HH	VALVEX	High steam generator level caused by faulty feedwater regulating valve. Corrective action under study.
10	821126	F	98	A	3	NA	HH	VALVEX	High steam generator level caused by faulty feedwater regulating valve. Corrective action under study.

<sup>1</sup>  
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 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-Continuation from previous month  
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 9.Other (Explain)

<sup>4</sup>  
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Exhibit H Same Source

NRC MONTHLY OPERATING REPORT

50-361  
 DOCKET NO. 50-361  
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 COMPLETED BY L. Mayweather  
 TELEPHONE 714/492-7700  
 Ext. 56223

OPERATING STATUS

1. Unit Name: San Onofre Nuclear Generating Station, Unit 2  
 2. Reporting Period: 1 December 1982 through 31 December 1982 (Revised)  
 3. Licensed Thermal Power (MWt): 3390  
 4. Nameplate Rating (Gross MWe): 1127  
 5. Design Electrical Rating (Net MWe): 1087  
 6. Maximum Dependable Capacity (Gross MWe): 1127  
 7. Maximum Dependable Capacity (Net MWe): 1087  
 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): NA  
 10. Reasons For Restrictions, If Any: NA

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	744	2,460.5	2,460.5
12. Number Of Hours Reactor Was Critical	297	1,033.5	1,033.5
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	269	824	824
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	474,700	928,340	928,340
17. Gross Electrical Energy Generated (MWH)	128,600	195,012	195,012
18. Net Electrical Energy Generated (MWH)	108,620	126,020	126,020
19. Unit Service Factor	NA	NA	NA
20. Unit Availability Factor	NA	NA	NA
21. Unit Capacity Factor (Using MDC Net)	0	0	0
22. Unit Capacity Factor (Using DER Net)	0	0	0
23. Unit Forced Outage Rate	0	0	0
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):
- |                      | Forecast     | Achieved |
|----------------------|--------------|----------|
| INITIAL CRITICALITY  | 7/17/82      | 7/26/82  |
| INITIAL ELECTRICITY  | 9/82         | 9/20/82  |
| COMMERCIAL OPERATION | Under review |          |



**UNIT SHUTDOWNS AND POWER REDUCTIONS**

REPORT MONTH December 1982 (Revised)

DOCKET NO. 50-361  
 UNIT NAME SONGS 2  
 Revision DATE Feb. 15/83  
 COMPLETED BY L. Mayweather  
 TELEPHONE 714/492-7700 Ext. 56223

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
10	821126	A	3	A	4	NA	HA	VALVEX	High steam generator level caused by faulty feedwater regulating valve. Corrective action under study.
11	821212	F	472	A	3	82-168	IA	INSTRU	Trip on high LPD/low DNBR signal caused by faulty reed switch. Faulty reed switch replaced. Unit remained down for repair of RCP seals and turbine valves.

<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  
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 H-Other (Explain)

<sup>3</sup>  
 Method:  
 1-Manual  
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