NRC MONTHLY OPERATING REPORT

DOCKET NO. 50-361
DATE March 15, 1983
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 February, 1983 through 28 February 1983
3. Licensed Thermal Power (MWt): 3,390
4. Nameplate Rating (Gross MWe): 1,127
5. Design Electrical Rating (Net MWe): 1,087
6. Maximum Dependable Capacity (Gross MWe): 1,127
7. Maximum Dependable Capacity (Net MWe): 1,087
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	672	1,416	3,876.5
12. Number Of Hours Reactor Was Critical	229.2	796.0	1,829.5
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	98.4	476.9	1,301
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	105,890	700,690	1,629,030
17. Gross Electrical Energy Generated (MWH)	21,600	164,600	359,612
18. Net Electrical Energy Generated (MWH)	5,600	117,100	243,120
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	

AVERAGE DAILY UNIT POWER LEVEL

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

MONTH February, 1983

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0	17	0
2	91.3	18	0
3	0	19	0
4	0	20	0
5	0	21	0
6	0	22	0
7	0	23	0
8	0	24	0
9	85.8	25	0
10	228.3	26	0
11	249.4	27	0
12	0	28	0
13	0	29	NA
14	0	30	NA
15	0	31	NA
16	0		

UNIT SHUTDOWNS AND POWER REDUCTIONS

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

REPORT MONTH February, 1983

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
7	830130	F	20.5	A	4	NA	HA	VALVEX	Turbine manually tripped as part of "controlled" shutdown. Reactor tripped on high steam generator level. Repair of steam piping supports.
8	830203	F	23.0	A	3	NA	HA	VALVEX	Reactor loss of load trip due to mal-functioning high pressure stop and governor valves.
9	830203	S	113.0	B	3	NA	NA	NA	NA
10	830211	F	417.1	A	2	NA	HB	VALVEX	While performing on-load testing of a #1 governor valve, steam bypass valve HV-8424 sustained a severe transient on the line and valve failed in open position. Isolated with manual block valve. Manually tripped reactor to evaluate damage of transient.

[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
9-Other (Explain)

[4] Exhibit F - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

Exhibit H-Same Source

Page(s) xxx now s/re

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

DOCKET NO. 50-361

UNIT SONGS-2

DATE March 15, 1983

COMPLETED BY L.Mayweather

TELEPHONE 714/494-7700
Ext. 56223

February 1	0001	Unit is in Mode 2. Reactor Power is at 0.5%. Repair of steam piping supports complete.
February 1	1745	Entered Mode 1.
February 1	2030	Synchronized generator and applied block load of 60MWe gross.
February 1	2100	Increased generator load to 125 MWe gross.
February 2	2050	Reactor loss of load trip due to malfunctioning high pressure stop and governor valves (entered Mode 3).
February 3	0550	Entered Mode 2.
February 3	0609	Reactor critical.
February 3	1625	Entered Mode 1.
February 3	1952	Synchronized generator and applied block load of 80 MWe gross. Reactor power at 14.5%.
February 3	2201	Achieved 50% Power.
February 3	2213	Successfully completed reactor trip from outside the Control Room (entered Mode 3).
February 4	0235	Terminated shutdown from outside the Control Room following cooldown to 495°F.
February 4	0543	Stopped CWP 2P115 due to indication of saltwater leak and commenced overboarding northeast hotwell. Condensate cleanup program effected.
February 4	1318	Entered Mode 2.
February 4	1337	Reactor critical.
February 8	0210	Entered Mode 1.
February 8	1509	Synchronized generator and applied block load of 60MWe gross.
February 10	0815	Commenced dilution to raise reactor power to 45% by steam bypass to condenser.
February 10	2138	Achieved 50% power, 480 MWe gross.

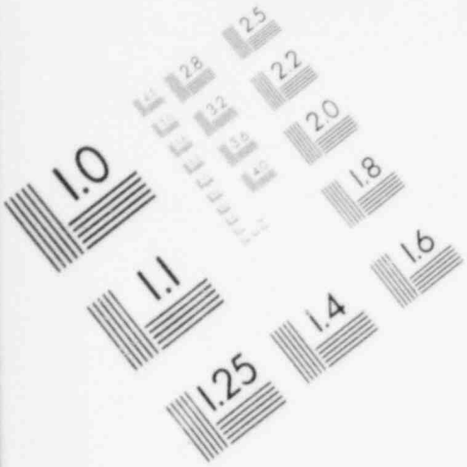
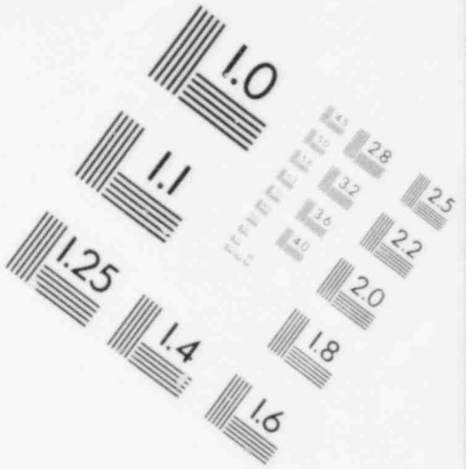
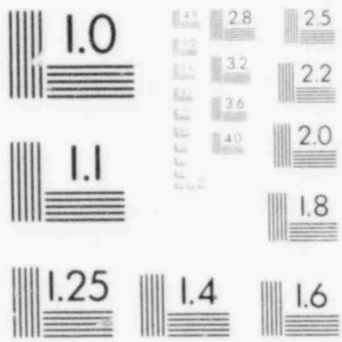
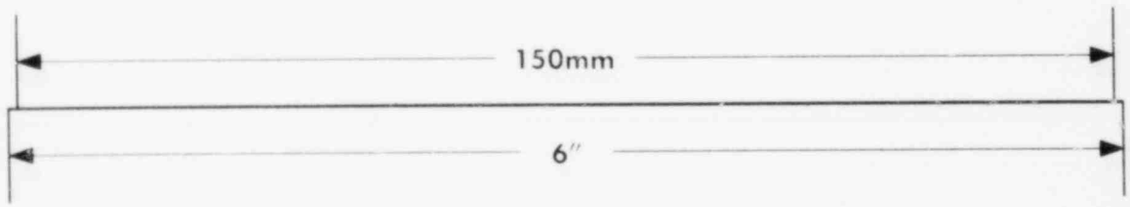
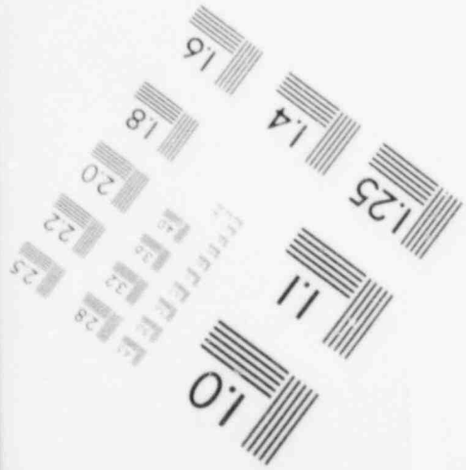


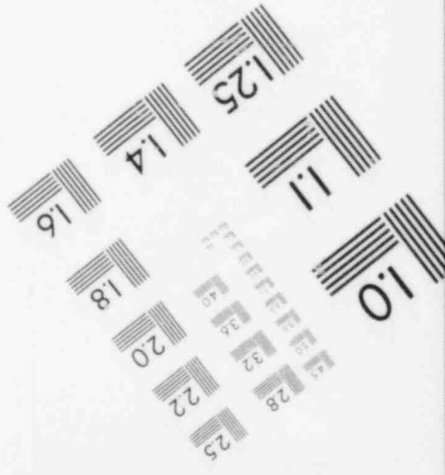
IMAGE EVALUATION TEST TARGET (MT-3)











February 11	0200	Train 'A' Control Room Emergency Cleanup System (CREACUS) declared inoperable.
February 11	0620	Lowered turbine load to 400MWe gross to support steam bypass control system performance testing.
February 11	1403	While performing on-line testing of the #1 governor valve, steam bypass valve HV-8424 sustained a severe transient on the line and valve failed in open position. Isolated with manual block valve.
February 11	1452	Manually tripped reactor to evaluate damage of transient (entered Mode 3).
February 11	1600	Stopped CWP 2P118 due to condenser salt leak indication.
February 11	1750	Train 'B' CREACUS declared inoperable. Entered Technical Specification 3.0.3 and initiated plant cooldown.
February 12	0615	Entered Mode 4.
February 13	2110	Entered Mode 5 and initiated outage schedule to perform leak testing of the CREACUS, repair main condenser, repair and modify the steam bypass control system and replace reactor coolant pump #1 seal.
February 21	1750	Trains 'A' and 'B' CREACUS declared operable.
February 24	0200	Control Room boundary compromised. Trains 'A' and 'B' CREACUS declared inoperable.
February 26	0830	Trains 'A' and 'B' CREACUS declared operable.
February 26	1500	Train 'A' CREACUS declared inoperable.
February 28	2359	Unit is in Mode 5 on shutdown cooling at 120° F. Train 'A' CREACUS is inoperable. Filling and venting the reactor coolant system is in progress.

REFUELING INFORMATION

DOCKET NO. 50-361

UNIT SONGS-2

DATE March 15, 1983

COMPLETED BY L. Mayweather

TELEPHONE 714/492-7700 Ext.56223

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 217

   b) In the spent fuel storage pool. 0

7. Licensed spent fuel storage capacity. 800

   Intended change in spent fuel storage capacity. NA

8. Projected date of last refueling that can be discharged to spent fuel storage pool assuming present capacity. NA

NRC MONTHLY OPERATING REPORT

DOCKET NO. 50-362
DATE Mar. 15, 1983
COMPLETED BY L. Mayweather
TELEPHONE 714/492-7700

OPERATING STATUS

1. Unit Name: San Onofre Nuclear Generating Station, Unit 3
2. Reporting Period: 1 February, 1983 through 28 February, 1983
3. Licensed Thermal Power (MWt): 3,390
4. Nameplate Rating (Gross MWe): 1,127
5. Design Electrical Rating (Net MWe): 1,087
6. Maximum Dependable Capacity (Gross MWe): 1,127
7. Maximum Dependable Capacity (Net MWe): 1,087
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: Unit is still in initial startup phase of testing.

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	672	1,416	2,544
12. Number Of Hours Reactor Was Critical	0	0	0
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	0	0	0
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	0	0	0
17. Gross Electrical Energy Generated (MWH)	0	0	0
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	Under review	
INITIAL ELECTRICITY	Under review	
COMMERCIAL OPERATION	Under review	

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-362
UNIT SONGS-3
DATE March 15, 1983
COMPLETED BY L. Mayweather
TELEPHONE 714/492-7700
Ext. 56223

MONTH FEBRUARY 1983

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0	17	0
2	0	18	0
3	0	19	0
4	0	20	0
5	0	21	0
6	0	22	0
7	0	23	0
8	0	24	0
9	0	25	0
10	0	26	0
11	0	27	0
12	0	28	0
13	0	29	NA
14	0	30	NA
15	0	31	NA
16	0		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-362
UNIT NAME SONGS-3
DATE March 15, 1983
COMPLETED BY L. Mayweather
TELEPHONE 714/492-7700
Ext. 56223

REPORT MONTH February 1983

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
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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
9-Other (Explain)

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

Exhibit H-Same Source

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

DOCKET NO. 50-362
UNIT SONGS-3
DATE March 15, 1983
COMPLETED BY L. Mayweather
TELEPHONE 714/492-7700

February 1	0001	Unit is in Mode 3 at 545°F. Hot rod drop testing is in progress.
February 6	1600	Completed hot rod drop testing.
February 8	0455	Entered Mode 4. Cooldown is in progress to make repairs to reactor coolant system shims.
February 9	0315	Entered Mode 5 and began scheduled outage activities.
February 11	0200	Train 'A' Control Room Emergency Air Cleanup System (CREACUS) declared inoperable.
February 11	1750	Train 'B' CREACUS declared inoperable. Entered Technical Specification 3.0.3.
February 21	1750	Trains 'A' and 'B' CREACUS declared operable.
February 24	0200	Control Room boundary compromised. Trains 'A'and 'B' CREACUS declared inoperable.
February 26	0830	Trains 'A'and 'B' CREACUS declared operable.
February 26	1025	Entered Mode 4.
February 26	1500	Train 'A' CREACUS declared inoperable.
February 28	2359	Unit is in Mode 4 at 330°F.

0047u

REFUELING INFORMATION

DOCKET NO. 50-362

UNIT SONGS-3

DATE March 15, 1983

COMPLETED BY L. Mayweather

TELEPHONE 714/492-7700 Ext.56223

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 217

   b) In the spent fuel storage pool. 0

7. Licensed spent fuel storage capacity. 800

   Intended change in spent fuel storage capacity. NA

8. Projected date of last refueling that can be discharged to spent fuel storage pool assuming present capacity. NA