



*Southern California Edison Company*

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September 14, 1995

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

Gentlemen:

Subject: Docket Nos. 50-361 and 50-362  
Monthly Operating Reports for August 1995  
San Onofre Nuclear Generating Station, Units 2 and 3

Technical Specification 6.9.1.10 of Facility Operating Licenses NPF-10 and NPF-15 for the San Onofre Nuclear Generating Station, Units 2 and 3, respectively, requires Edison to provide a Monthly Operating Report for each Unit, which includes: routine operating statistics and shutdown experience; all challenges to safety valves; any changes to the Offsite Dose Calculation Manual (ODCM); and any major changes to the radioactive waste treatment system. All covered activities are reported monthly, except for ODCM changes, which are reported within 90 days from the time the changes are effective.

This letter transmits the August 1995 Monthly Operating Reports for Units 2 and 3, respectively. There were no challenges to safety valves, no major changes to the Units 2 and 3 radioactive waste treatment systems, and no changes to the ODCM during the reporting period.

If you require any additional information, please let me know.

Sincerely,

Enclosures

cc: L. J. Callan, Regional Administrator, NRC Region IV  
J. E. Dyer, Director, Division of Reactor Projects, NRC Region IV  
K. E. Perkins, Jr., Director, Walnut Creek Field Office, NRC Region IV  
M. B. Fields, NRC Project Manager, Units 2 and 3  
J. A. Sloan, Senior NRC Resident Inspector, San Onofre Units 2 & 3

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NRC MONTHLY OPERATING REPORT  
SAN ONOFRE NUCLEAR GENERATING STATION, UNIT 2

DOCKET NO: 50-361  
UNIT NAME: SONGS - 2  
DATE: September 14, 1995  
COMPLETED BY: R. L. Kaplan  
TELEPHONE: (714) 368-6834

OPERATING STATUS

1. Unit Name: San Onofre Nuclear Generating Station, Unit 2
2. Reporting Period: August 1995
3. Licensed Thermal Power (MWt): 3390
4. Nameplate Rating (Gross MWe): 1127
5. Design Electrical Rating (Net MWe): 1070
6. Maximum Dependable Capacity (Gross MWe): 1127
7. Maximum Dependable Capacity (Net MWe): 1070
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	744.00	5,831.00	105,528.00
12. Number Of Hours Reactor Was Critical	744.00	3,865.40	80,639.99
13. Reactor Reserve Shutdown Hours	0.00	0.00	0.00
14. Hours Generator On-Line	744.00	3,303.32	78,934.66
15. Unit Reserve Shutdown Hours	0.00	0.00	0.00
16. Gross Thermal Energy Generated (MWH)	2,497,939.27	10,585,729.61	257,963,585.46
17. Gross Electrical Energy Generated (MWH)	854,462.50	3,573,451.50	87,424,951.00
18. Net Electrical Energy Generated (MWH)	814,211.00	3,357,066.04	82,921,160.91
19. Unit Service Factor	100.00%	56.65%	74.80%
20. Unit Availability Factor	100.00%	56.65%	74.80%
21. Unit Capacity Factor (Using MDC Net)	102.28%	53.81%	73.44%
22. Unit Capacity Factor (Using DER Net)	102.28%	53.81%	73.44%
23. Unit Forced Outage Rate	0.00%	2.60%	5.38%
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			

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

INITIAL CRITICALITY  
INITIAL ELECTRICITY  
COMMERCIAL OPERATION

NA	NA
NA	NA
NA	NA

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO: 50-361  
UNIT NAME: SONGS - 2  
DATE: September 14, 1995  
COMPLETED BY: R. L. Kaplan  
TELEPHONE: (714) 368-6834

MONTH: August 1995

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	1143.79
2	1101.08
3	1100.96
4	1099.00
5	1098.42
6	1098.25
7	1097.00
8	1096.42
9	1081.42
10	1096.08
11	1096.00
12	1096.50
13	1095.71
14	1094.25
15	1093.00

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

16	1093.21
17	1091.13
18	1090.58
19	1088.75
20	1089.13
21	1090.33
22	1092.25
23	1092.21
24	1093.92
25	1095.04
26	1095.71
27	1095.08
28	1094.33
29	1094.17
30	1093.17
31	1048.58

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: August 1995DOCKET NO: 50-362UNIT NAME: SONGS - 3DATE: September 14, 1995COMPLETED BY: R. L. KaplanTELEPHONE: (714) 368-6834

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	LER No.	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
88	950721	S	744.00	C	1	N/A	N/A	N/A	N/A

Note Power reduction for unit shutdown began on July 21, at 2132.

<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 in the Average  
 Daily Power Level of more  
 than 20% from the previous day  
 6-Other (Explain)
<sup>4</sup>IEEE Std 805-1984<sup>5</sup>IEEE Std 803A-1983



# SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

DOCKET NO: 50-361  
UNIT NAME: SONGS - 2  
DATE: September 14, 1995  
COMPLETED BY: R. L. Kaplan  
TELEPHONE: (714) 368-6834

<u>Date</u>		<u>Time</u>	<u>Event</u>
August	01	0001	Unit is in Mode 1, 99.7% reactor power, 1146 MWe.
August	31	2400	Unit is in Mode 1, reactor power 99.1%, 1146 MWe.

# REFUELING INFORMATION

DOCKET NO:	50-361
UNIT NAME:	SONGS - 2
DATE:	September 14, 1995
COMPLETED BY:	R. L. Kaplan
TELEPHONE:	(714) 368-6834

MONTH: August 1995

1. Scheduled date for next refueling shutdown.

Cycle 9 refueling outage is forecast for November 1996.

2. Scheduled date for restart following refueling.

Restart from Cycle 9 refueling outage is forecast for January 1997.

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

Unknown at this time.

What will these be?

Unknown at this time.

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

Unknown at this time.

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.

Unknown at this time.

# REFUELING INFORMATION

DOCKET NO:	<u>50-361</u>
UNIT NAME:	<u>SONGS - 2</u>
DATE:	<u>September 14, 1995</u>
COMPLETED BY:	<u>R. L. Kaplan</u>
TELEPHONE:	<u>(714) 368-6834</u>

6. The number of fuel assemblies.

A. In the core. 217

B. In the spent fuel storage pool. 770 Total Fuel Assemblies  
700 Unit 2 Spent Fuel Assemblies  
0 Unit 2 New Fuel Assemblies  
70 Unit 1 Spent Fuel Assemblies

C. In the New Fuel Storage Racks Zero Unit 2 New Fuel Assemblies

7. Licensed spent fuel storage capacity. 1542

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 2005 (full off-load capability)

NRC MONTHLY OPERATING REPORT  
SAN ONOFRE NUCLEAR GENERATING STATION, UNIT 3

DOCKET NO: 50-362  
UNIT NAME: SONGS - 3  
DATE: September 14, 1995  
COMPLETED BY: R. L. Kaplan  
TELEPHONE: (714) 368-6834

OPERATING STATUS

1. Unit Name: San Onofre Nuclear Generating Station, Unit 3
2. Reporting Period: August 1995
3. Licensed Thermal Power (MWt): 3390
4. Nameplate Rating (Gross MWe): 1127
5. Design Electrical Rating (Net MWe): 1080
6. Maximum Dependable Capacity (Gross MWe): 1127
7. Maximum Dependable Capacity (Net MWe): 1080
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	744.00	5,831.00	100,079.00
12. Number Of Hours Reactor Was Critical	0.00	4,847.57	79,534.02
13. Reactor Reserve Shutdown Hours	0.00	0.00	0.00
14. Hours Generator On-Line	0.00	4,847.45	77,890.94
15. Unit Reserve Shutdown Hours	0.00	0.00	0.00
16. Gross Thermal Energy Generated (MWH)	0.00	15,703,040.01	250,851,086.00
17. Gross Electrical Energy Generated (MWH)	0.00	5,323,918.00	85,156,594.50
18. Net Electrical Energy Generated (MWH)	(3,140.68)	5,042,417.63	80,486,469.24
19. Unit Service Factor	0.00%	83.13%	77.83%
20. Unit Availability Factor	0.00%	83.13%	77.83%
21. Unit Capacity Factor (Using MDC Net)	0.00%	80.07%	74.46%
22. Unit Capacity Factor (Using DER Net)	0.00%	80.07%	74.46%
23. Unit Forced Outage Rate	0.00%	0.00%	5.75%
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>Refueling Shutdown, July 22, 1995, Duration (75 days)</u>			
25. If Shutdown At End Of Report Period, Estimated Date of Startup:	<u>NA</u>		
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

DOCKET NO: 50-362  
UNIT NAME: SONGS - 3  
DATE: September 14, 1995  
COMPLETED BY: R. L. Kaplan  
TELEPHONE: (714) 368-6834

MONTH: August 1995

DAY LEVEL	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0.00
2	0.00
3	0.00
4	0.00
5	0.00
6	0.00
7	0.00
8	0.00
9	0.00
10	0.00
11	0.00
12	0.00
13	0.00
14	0.00
15	0.00

DAY	AVERAGE DAILY POWER (MWe-Net)
16	0.00
17	0.00
18	0.00
19	0.00
20	0.00
21	0.00
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	0.00

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO: 50-361

UNIT NAME: SONGS - 2

REPORT MONTH: August 1995

DATE: September 14, 1995

COMPLETED BY: R. L. Kaplan

TELEPHONE: (714) 368-6834

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	LER No.	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
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There were no unit shutdowns or reductions in the Average Daily Power Level of more than 20% this reporting period.

<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 in the Average  
Daily Power Level of more  
than 20% from the previous day  
6-Other (Explain)

<sup>4</sup>IEEE Std 805-1984

<sup>5</sup>IEEE Std 803A-1983

# SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

DOCKET NO: 50-362  
UNIT NAME: SONGS - 3  
DATE: September 14, 1995  
COMPLETED BY: R. L. Kaplan  
TELEPHONE: (714) 368-6834

<u>Date</u>	<u>Time</u>	<u>Event</u>
August 01	0001	Unit is in Mode 6, Cycle 8 Refueling Outage in progress.
August 04	0715	Commenced core alterations for full core offload to spent fuel pool.
August 08	0443	Core offload complete, unit entered defueled mode.
August 22	1945	Unit entered Mode 6, commenced core alterations for core re-load.
August 27	1620	Completed reactor vessel fuel loading.
August 31	2400	Unit is in Mode 6, Cycle 8 Refueling Outage in progress.

# REFUELING INFORMATION

DOCKET NO:	50-362
UNIT NAME:	SONGS - 3
DATE:	September 14, 1995
COMPLETED BY:	R. L. Kaplan
TELEPHONE:	(714) 368-6834

MONTH: August 1995

1. Scheduled date for next refueling shutdown.

Cycle 8 refueling outage began July 22, 1995.

2. Scheduled date for restart following refueling.

Restart from Cycle 8 refueling outage is forecast for October 5, 1995.

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

No, all requested changes have been received.

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.

# REFUELING INFORMATION

DOCKET NO: 50-362  
UNIT NAME: SONGS - 3  
DATE: September 14, 1995  
COMPLETED BY: R. L. Kaplan  
TELEPHONE: (714) 368-6834

6. The number of fuel assemblies.

A. In the core. 217

B. In the spent fuel storage pool. 818 Total Fuel Assemblies  
700 Unit 3 Spent Fuel Assemblies  
Zero Unit 3 New Fuel Assemblies  
118 Unit 1 Spent Fuel Assemblies

C. In the New Fuel Storage Racks Zero Unit 3 New Fuel Assemblies

7. Licensed spent fuel storage capacity. 1542

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 2003 (full off-load capability).