

NARRATIVE SUMMARY OF PLANT OPERATIONS

10-1 to
10-9-79 Plant operated at approximately 100% full power. Performed routine surveillance and preventive maintenance items.

10-10-79
(1320) Started plant shutdown from 890 MWe at 1 MWe/minute due to non-completion of pipe support work on the "A" Nuclear Service Cooling Water System

(1600) Reactor at 86% power (~753 MWe)

(2045) Reactor at 43% power (~350 MWe) and decreasing at 1 MWe/minute to a Hot Shutdown

(2313) Opened OCB's 220 and 230. Unit off line.

(2315) Tripped Turbine and reduced reactor power to 14%

10-11-79
(2346) Reactor at 11% power.
(0107) Reactor at 10^{-8} amps.
(0119) Reactor placed in Hot Shutdown.

10-12-79
(1102) Reactor critical.

(1105) Reactor at 10^{-8} amps.

(1950) Started increasing to ~10% for turbine roll.

(2105) Reactor at ~10% power.

(2110) Latched main turbine. Unable to get intercept Valve #1 open.

10-13-79
(1358) Reactor at 10% power, tripped turbine. Reactor still at 10%.

(1650) Started turbine roll.

(1814) While putting excitation on main unit, it tripped on overexcitation and caused reactor trip.

(1857) Reactor critical.

(1908) Reactor at 10^{-8} amps.

(1925) Reactor at 1% power.

(2029) Reactor at 10% power.

(2129) Closed OCB's 220 and 230. Unit on line.

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7911200 447

10-14-79
(0000) Reactor at 47% (~397 MWe).
(0035) Reactor at 50% (~400 MWe)
(0650) Reactor at 72% (~620 MWe). Started 5-hour hold.
(1150) Raising power to 92%.
(1356) Reactor at 87% (~810 MWe) - Started 2-hour hold.
(1600) Increasing to 100% full power.
(1746) Reactor at 100% full power (~910 MWe).
10-15 to
10-31-79 Plant operated at approximately 100% full power. Performed routine surveillance and preventive maintenance items.

PERSONNEL CHANGES REQUIRING REPORTING

No personnel changes that require reporting in accordance with Technical Specifications Figure 6.9-2 were made in October, 1979.

MAJOR ITEMS OF SAFETY-RELATED MAINTENANCE

1. Continued inspection/testing of pipe supports; repaired or replaced as necessary to meet the new criteria covered in Bulletin 79-02.

SUMMARY OF CHANGES MADE IN ACCORDANCE WITH 10 CFR 50.59(b)

No changes, tests or experiments were completed in October, 1979, which constituted a change in a safety analysis report description.

POOR ORIGINAL

REFUELING INFORMATION REQUEST

1. Name of Facility: Rancho Seco Unit 1
2. Scheduled date for next refueling shutdown: January, 1980
3. Scheduled date for restart following refueling: March, 1980
4. Technical Specification change or other license amendment required:
 - a) Change to Rod Index vs. Power Level Curve (TS 3.5.2)
 - b) Change to Core Imbalance vs. Power Level Curve (TS 3.5.2)
 - c) Tilt Limits (TS 3:5.2)
 - d) Safety Equipment Testing (TS 3.3.3)
5. Scheduled date(s) for submitting proposed licensing action: December, 1979
6. Important licensing considerations associated with refueling: None
7. Number of fuel assemblies:
 - a) In the core: 177
 - b) In the Spent Fuel Pool: 112
8. Present licensed spent fuel capacity: 579
9. Projected date of the last refueling that can be discharged to the Spent Fuel Pool: 1987

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AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-312
 UNIT Rancho Seco Unit 1
 DATE 79-10-31
 COMPLETED BY R. W. Colombo
 TELEPHONE (916) 452-3211

POOR ORIGINAL

MONTH October

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	849
2	846
3	853
4	857
5	861
6	861
7	863
8	864
9	860
10	687
11	0
12	0
13	0
14	650
15	858
16	858

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	861
18	865
19	860
20	867
21	869
22	865
23	863
24	861
25	860
26	866
27	866
28	865
29	865
30	867
31	866

INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

OPERATING DATA REPORT

DOCKET NO. 50-312
 DATE 79-10-31
 COMPLETED BY R. W. Colombo
 TELEPHONE (916)452-3211

POOR ORIGINAL

OPERATING STATUS

1. Unit Name: Rancho Seco Unit 1
2. Reporting Period: October, 1979
3. Licensed Thermal Power (MWt): 2772
4. Nameplate Rating (Gross MWe): 963
5. Design Electrical Rating (Net MWe): 918
6. Maximum Dependable Capacity (Gross MWe): 917
7. Maximum Dependable Capacity (Net MWe): 873

Notes

8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:
N/A

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	745	7,296	39,793
12. Number Of Hours Reactor Was Critical	710.6	5,566.9	24,637.7
13. Reactor Reserve Shutdown Hours	33.7	1,557.7	3,975.1
14. Hours Generator On-Line	674.7	5,399.6	23,562.8
15. Unit Reserve Shutdown Hours	0	1,199.3	1,210.2
16. Gross Thermal Energy Generated (MWH)	1,847,705	14,753,805	59,826,961
17. Gross Electrical Energy Generated (MWH)	590,650	4,808,359	20,071,159
18. Net Electrical Energy Generated (MWH)	559,602	4,560,773	18,959,663
19. Unit Service Factor	90.6	74.0	59.2
20. Unit Availability Factor	90.6	90.4	62.3
21. Unit Capacity Factor (Using MDC Net)	86.0	71.6	54.6
22. Unit Capacity Factor (Using DER Net)	81.8	68.1	51.9
23. Unit Forced Outage Rate	9.4	5.9	33.2

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Refueling: January 1980 - duration approximately 60 days
Snubber inspection/changing of undervoltage setpoints: Mid November - duration 3 days.

25. If Shut Down At End Of Report Period, Estimated Date of Startup: N/A

	Forecast	Achieved
INITIAL CRITICALITY	N/A	N/A
INITIAL ELECTRICITY	N/A	N/A
COMMERCIAL OPERATION	N/A	N/A

POOR ORIGINAL

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-312
 UNIT NAME Rancho Seco Unit 1
 DATE 79-10-31
 COMPLETED BY R. W. Colombo
 TELEPHONE (916) 452-3211

REPORT MONTH October

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
13	79-10-10	F	7-.3	D	1	79-014/03 L-0	CJ	SUPPORT	Non-completion of pipe support work on Nuclear Service Cooling Water System. Unit brought to Hot Shutdown per Technical Specification Limitations and work was completed.

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-Other (Explain)

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

5
 Exhibit I - Same Source

(9/77)

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