

8009160297

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH August, 1980

DOCKET NO. 50-312
 UNIT NAME Rancho Seco No. 1
 DATE 80-08-31
 COMPLETED BY R. W. Colombo
 TELEPHONE 916-452-3211

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	80-08-12	F	472.2	A	3	N/A	HA	TURBIN	Damaged thrust bearing.

¹
 F: Forced
 S: Scheduled

²
 Reason:
 A-Equipment Failure (Explain)
 B-Maintenance of 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)

REFUELING INFORMATION REQUEST

1. Name of Facility: Rancho Seco Unit 1
2. Scheduled date for next refueling shutdown: April, 1981
3. Scheduled date for restart following refueling: June, 1981
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: May, 1981
6. Important licensing considerations associated with refueling: None
7. Number of fuel assemblies:
 - a) In the core: 177
 - b) In the Spent Fuel Pool: 164
8. Present licensed spent fuel capacity: 579
9. Projected date of the last refueling that can be discharged to the Spent Fuel Pool: 1987

OPERATING DATA REPORT

DOCKET NO. 50-312
 DATE 80-08-31
 COMPLETED BY R. W. Colombo
 TELEPHONE 916-452-3211

OPERATING STATUS

- 1. Unit Name: Rancho Seco Unit 1
- 2. Reporting Period: August, 1980
- 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	744	5,855	47,112
12. Number Of Hours Reactor Was Critical	290.5	2,548.5	28,622.0
13. Reactor Reserve Shutdown Hours	0	0	3,975.1
14. Hours Generator On-Line	271.8	2,445.4	27,386.7
15. Unit Reserve Shutdown Hours	0	0	1,210.2
16. Gross Thermal Energy Generated (MWH)	734,658	6,281,304	69,315,002
17. Gross Electrical Energy Generated (MWH)	243,168	2,096,300	23,380,836
18. Net Electrical Energy Generated (MWH)	226,112	1,973,910	22,084,799
19. Unit Service Factor	36.5	41.8	58.1
20. Unit Availability Factor	36.5	41.8	60.7
21. Unit Capacity Factor (Using MDC Net)	34.8	38.6	53.7
22. Unit Capacity Factor (Using DER Net)	33.1	36.7	51.1
23. Unit Forced Outage Rate	63.5	18.4	31.0

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
N/A

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

26. Units In Test Status (Prior to Commercial Operation):	Forecast	Achieved
INITIAL CRITICALITY	N/A	N/A
INITIAL ELECTRICITY	"	"
COMMERCIAL OPERATION	"	"

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-312

UNIT Rancho Seco Unit One

DATE 80-08-31

COMPLETED BY R. W. Colombo

TELEPHONE 916-452-3211

MONTH August, 1980

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	854
2	861
3	866
4	866
5	863
6	867
7	864
8	866
9	865
10	869
11	868
12	255
13	0
14	0
15	0
16	0

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	0
18	0
19	0
20	0
21	0
22	0
23	0
24	0
25	0
26	0
27	0
28	0
29	0
30	0
31	0

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.

NARRATIVE SUMMARY OF PLANT OPERATION

8-1 to 8-12 Reactor @ 96%

8-12
0748 Reactor trip (inverter malfunction)
1855 Reactor critical
2350 Turbine-Generator trip (excessive thrust bearing displacement)

8-13
0957 Began reducing Rx power to 5%
1125 Began cold shutdown
1339 Tripped Rx

8-13 to 8-31 Plant in cold shutdown

Summary of Changes Made in Accordance with 10 CFR 50.59(b)

1. Installed fence around tank farm and installed ballistic doors on control room.
2. Changed Rancho Seco Emergency Plan.
3. Changed RPS high-pressure setpoint.

Personnel Changes Requiring Reporting

Mr. Willis Ford resigned as Operations Supervisor. He is replaced by Mr. Donald Blachly effective 9-3-80. Mr. Blachly is a Senior Licensed Operator and a registered mechanical engineer.

Major Items of Safety-Related Maintenance

1. Conducted continuity tests to diesel generator voltage regulator control switch per IE Bulletin 80-20.
2. Installed new seal on pressurizer spray bypass.
3. Tightened studs on bonnet of leaking pressurizer spray valve.
4. Replaced "D" RPS flow transmitter.