

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-312

UNIT Rancho Seco Unit 1

DATE 78-09-30

COMPLETED BY R. W. Colombo

TELEPHONE (916) 452-3211

MONTH September

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>885</u>
2	<u>885</u>
3	<u>688</u>
4	<u>663</u>
5	<u>889</u>
6	<u>891</u>
7	<u>890</u>
8	<u>895</u>
9	<u>894</u>
10	<u>266</u>
11	<u>867</u>
12	<u>884</u>
13	<u>886</u>
14	<u>886</u>
15	<u>457</u>
16	<u>0</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>871</u>
18	<u>894</u>
19	<u>891</u>
20	<u>892</u>
21	<u>892</u>
22	<u>889</u>
23	<u>887</u>
24	<u>883</u>
25	<u>880</u>
26	<u>887</u>
27	<u>891</u>
28	<u>886</u>
29	<u>885</u>
30	<u>884</u>
31	<u></u>

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.

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(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-312
 UNIT NAME Rancho Seco Unit 1
 DATE 78-09-30
 COMPLETED BY R. W. Colombo
 TELEPHONE (916) 452-3211

REPORT MONTH SEPTEMBER

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
16	780903	F	2.9	G	3	N/A	HA	MECFUN	While removing cover on turbine "auto-stop control block" for training purposes, the gasket caught on a linkage rod and tripped unit.
17	780910	S	11.7	B	1	N/A	CB	MOTORX	Shutdown to facilitate adding oil to RCP "C" motor upper bearing, and inspecting RCP stuffing box flanges.
18	780915	F	31.8	A	1	N/A	RB	CRDRVE	Dropped Rod No. 3 Group 7. Shutdown manually to replace CRD Stator.

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)

OPERATING DATA REPORT

DOCKET NO. 50-312
 DATE 78-09-30
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 TELEPHONE (916) 452-3211

OPERATING STATUS

1. Unit Name: Rancho Seco Unit 1
2. Reporting Period: September 1978
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
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:
N/A

Notes

9. Power Level To Which Restricted, If Any (Net MWe): NONE
10. Reasons For Restrictions, If Any: N/A

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	720	6,551	30,288
12. Number Of Hours Reactor Was Critical	689.8	5,919.7	17,695.9
13. Reactor Reserve Shutdown Hours	0	0	2,417.4
14. Hours Generator On-Line	673.6	5,724.6	16,838.1
15. Unit Reserve Shutdown Hours	0	0	10.8
16. Gross Thermal Energy Generated (MWH)	1,828,062	12,467,199	41,597,922
17. Gross Electrical Energy Generated (MWH)	600,528	4,142,135	14,081,385
18. Net Electrical Energy Generated (MWH)	574,322	3,873,564	13,284,773
19. Unit Service Factor	93.6	87.4	55.6
20. Unit Availability Factor	93.6	87.4	55.6
21. Unit Capacity Factor (Using MDC Net)	91.4	67.7	50.2
22. Unit Capacity Factor (Using DER Net)	86.9	64.4	47.8
23. Unit Forced Outage Rate	4.8	10.0	37.4

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

Refueling shutdown November 16, 1978, approximately 37 days.

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

26. Units In Test Status (Prior to Commercial Operation):

	Forecast	Achieved
INITIAL CRITICALITY	<u>N/A</u>	<u>N/A</u>
INITIAL ELECTRICITY	<u>N/A</u>	<u>N/A</u>
COMMERCIAL OPERATION	<u>N/A</u>	<u>N/A</u>

NARRATIVE SUMMARY OF PLANT OPERATIONS

Date

9-1 Plant operating at 100% full power.

9-3
(1839) Turbine/Generator and Reactor Trip. (While removing cover on "Turbine Auto Stop Control Block", for training purposes, gasket caught on control linkage and unit tripped.)
(2026) Reactor critical.
(2040) Latched and rolled turbine.
(2130) Closed OCB's.

9-4
(0718) Reactor at 87% full power.
(1015) Reactor at 100% full power.

9-10
(0400) Commenced plant shutdown, reduced load @ 10 MWe/min.
(0528) Opened OCB's.
(0645) Reactor at 10^{-8} amps.
(1240) Started to increase reactor power.
(1610) Latched and rolled turbine.
(1709) Closed OCB's.
(1955) Reactor at 50% full power.
(2323) Reactor at 87% full power.

9-11
(0515) Reactor at 100% full power.

9-15
(1042) Received "Assymetric Rod" alarm Group 7 Rod No. 3.
(1045) ICS runback.
(1108) Reactor at 55% full power.
(1327) Started decreasing reactor power.
(1411) Opened OCB's.
(1524) Reactor 10^{-8} amps and being taken subcritical.

9-16
(1950) Reactor critical.
(2200) Closed OCB's.

9-17
(0025) Reactor at 87% full power.
(0618) Reactor at 100% full power.

PERSONNEL CHANGES REQUIRING REPORTING

No personnel changes that require reporting in accordance with Technical Specifications, Figures 6.2-2 were made in September 1978.

MAJOR ITEMS OF SAFETY RELATED MAINTENANCE

- 1.) Changed gears in motor operator for SFV-26006 Decay Heat Loop B building isolation valve.
- 2.) Replaced bolts on diesel driven fire pump coupling (LER 78-9).
- 3.) Replaced failed solenoid for FV-99809, CO₂ storage tank outlet valve (LER 78-12).
- 4.) Replaced bellows in FT-23807, HPI flow transmitter (LER 78-13).

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

No changes, tests, or experiments were completed in August 1978 which constituted a change in a Safety Analysis Report description.

REFUELING INFORMATION REQUEST

1. Name of Facility - Rancho Seco Unit 1
2. Scheduled date for next refueling shutdown - November 16, 1978
3. Scheduled date for restart following refueling - December 23, 1978
4. Technical Specification change or other license amendment required -
 - a.) Change to Rod Index vs. Power Level Curve (T.S. 3.5.2)
 - b.) Change to Core Imbalance vs. Power Level Curve (T.S. 3.5.2)
 - c.) Tilt Limits (T.S. 3.5.2)
 - d.) Safety Equipment Testing (T.S. 3.3.3)
5. Scheduled date(s) for submitting proposed licensing action - September 11, 1978
6. Important licensing considerations associated with refueling - None
7. Number of fuel assemblies
 - (a) In the core - 177
 - (b) In the Spent Fuel Pool - 56 spent; 56 new
8. Present licensed spent fuel capacity - 579
9. Projected date of the last refueling that can be discharged to the Spent Fuel Pool - 1987