OCTOBER 1982

SUMMARY OF PLANT OPERATIONS

October 1, 1982 through October 31, 1982, the plant ran at 95% power. This was due to the 1B/2B Feedwater Heaters being out of service.

PERSONNEL CHANGES REQUIRING REPORT

No personnel changes that require reporting in accordance with Technical Specifications Figure 6.2-2 were made in October, 1982.

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

Four changes were completed in October, 1982. They were:

1) The addition of temperature indication to charcoal filters for fire protection modifications, in order to provide fire protection temperature indication for the existing charcoal filters in Auxiliary Building units F-548 and F-656.

   Additional conduit will be installed to facilitate routing wiring from the filter units to the plant computer. Mounting and routing of the conduit will be such, that in a seismic event, failure of conduit supports will not adversely affect the operation of the filter units or other Class 1 equipment.

2) The reflective-type insulation on OTSG E-205A and E-205B was modified to accomodate the revised Auxiliary Feedwater Nozzle arrangement. Panels which comprise the two rows of insulation in the vicinity of the revised Auxiliary Feedwater Nozzle Penetrations were replaced by new insulation panels of the same type and manufacture.

3) The existing Internal Auxiliary Feedwater Nozzles were removed from service. The existing Auxiliary Feedwater Nozzle Penetration was blanked off and the existing thermal sleeves were removed.

   This blank-flanged closure is acceptable in accordance with the A.S.M.E. Code. The catastrophic failure of this connection is bounded by the Main Steam Line Break analysis. The function of the Internal Auxiliary Feedwater Header will be accomplished by the new External Auxiliary Feedwater Headers.

4) The southwest door to the Turbine Building was modified when Defensive Position #2 was moved to the east end of the Auxiliary Building. The door was changed from a "welded shut" condition to a security 3 door because of personnel fire safety considerations.

MAJOR ITEMS OF SAFETY-RELATED MAINTENANCE

None.

REFUELING INFORMATION REQUEST

1. Name of Facility: Rancho Seco Unit 1
2. Scheduled date for next refueling shutdown: January 1983
3. Scheduled date for restart following refueling: July 1983
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)
5. Scheduled date(s) for submitting proposed licensing action: November 1982
6. Important licensing considerations associated with refueling: None
7. Number of fuel assemblies:
   a) In the core: 177
   b) In the Spent Fuel Pool: 196
8. Present licensed spent fuel capacity: 579
9. Projected date of the last refueling that can be discharged to the Spent Fuel Pool: 1987

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-312
UNIT Rancho Seco 1
DATE November 2, 1982
COMPLETED BY R. Colombo
TELEPHONE (916) 452-3211

MONTH October, 1982

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	845	17	866
2	841	18	871
3	857	19	870
4	857	20	867
5	858	21	866
6	860	22	866
7	857	23	869
8	854	24	868
9	858	25	854
10	866	26	870
11	868	27	872
12	866	28	873
13	867	29	870
14	862	30	871
15	862	31	871
16	867		

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.

(9/77)

OPERATING DATA REPORT

DOCKET NO. 50-312
DATE November 2, 1982
COMPLETED BY R. Colombo
TELEPHONE (916) 452-3211

OPERATING STATUS

1. Unit Name: Rancho Seco Unit 1
2. Reporting Period:
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): N/A
10. Reasons For Restrictions, If Any: N/A

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	745	7,296	66,097
12. Number Of Hours Reactor Was Critical	745	3,959.8	39,196.4
13. Reactor Reserve Shutdown Hours	0	2,855.2	9,313.8
14. Hours Generator On-Line	745	3,836.9	37,607.3
15. Unit Reserve Shutdown Hours	0	0	1,210.2
16. Gross Thermal Energy Generated (MWH)	1,956,803	4,212,301	94,839,884
17. Gross Electrical Energy Generated (MWH)	632,448	2,954,146	31,715,575
18. Net Electrical Energy Generated (MWH)	601,689	2,772,684	29,929,801
19. Unit Service Factor	100%	52.6%	56.9%
20. Unit Availability Factor	100%	52.6%	58.7%
21. Unit Capacity Factor (Using MDC Net)	92.5%	43.5%	51.9%
22. Unit Capacity Factor (Using DER Net)	87.9%	41.4%	49.3%
23. Unit Forced Outage Rate	0%	2.3%	29.6%

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Refueling and TMI Modifications; January 1982 - 6 months

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	N/A	N/A
INITIAL ELECTRICITY	N/A	N/A
COMMERCIAL OPERATION	N/A	N/A

(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-312
UNIT NAME Rancho Seco 1
DATE November 2, 1982
COMPLETED BY R. Colombo
TELEPHONE (916) 452-3211

REPORT MONTH October 1982

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

NO OUTAGES OR SIGNIFICANT POWER REDUCTION (GREATER THAN 20% REDUCTION IN AVERAGE DAILY POWER LEVEL FOR THE PRECEDING 24 HOURS) THIS MONTH.

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)