



SACRAMENTO MUNICIPAL UTILITY DISTRICT □ 6201 S Street, P.O. Box 15830, Sacramento CA 95852-1850, (916) 452-3211  
AN ELECTRIC SYSTEM SERVING THE HEART OF CALIFORNIA

NL 89-667

October 12, 1989

U. S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555

Docket No. 50-312  
Rancho Seco Nuclear Generating Station  
License No. DPR-54  
**OPERATING PLANT STATUS REPORT**

Attention: George Knighton

Enclosed is the September 1989 Monthly Operating Plant Status Report for the Rancho Seco Nuclear Generating Station. The District submits this report pursuant to Technical Specification 6.9.3.

Sincerely,

Steve L. Crunk  
Manager, Nuclear Licensing

Encl (5)

cc w/encl. J. B. Martin, NRC, Walnut Creek  
A. D'Angelo, NRC, Rancho Seco  
INPO  
R. Twilley, Jr.

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R PDC

SEPTEMBER 1989

## SUMMARY OF PLANT OPERATIONS

Rancho Seco remains in cold shutdown following the negative outcome of a public vote on June 6 regarding continued operation of the plant by SMUD.

## SUMMARY OF CHANGES IN ACCORDANCE WITH 10 CFR 50.59

The plant staff accepted documentation packages for the facility and procedure changes described below which required detailed safety analyses. These changes were reviewed in accordance with the Technical Specifications by the Plant Review Committee (PRC) and the Management Safety Review Committee (MSRC). There were no documentation packages completed for tests, or experiments during September 1989.

1. Process Standards AP.104, Spent Fuel Cooling System; AP.105, Reactor Building Spray System; and AP.161, Auxiliary Gas System have been deleted. Limits and precautions from AP.104, AP.105 and AP.161 have been incorporated into Operating Procedures A.21, Revision 19, Spent Fuel Cooling System; A.7, Revision 20, Reactor Building Spray System; and A.34, Revision 18, Auxiliary Gas System, respectively. Because the limits and precautions are incorporated into the Operating Procedures, deletion of these Process Standards does not increase the probability of occurrence or the consequences of an accident or malfunction of equipment important to safety as previously evaluated in the USAR, nor is the possibility for an accident or malfunction of a different type than any evaluated previously in the USAR created. This change does not involve an Unreviewed Safety Question.
2. DCP R89-0006AA, Revision 0, provided central collection pans for potential leaks and replaced temporary hoses with hard pipe to route leaks and drains to the Turbine Building floor drain system. These changes do not affect the design basis or operation of plant systems and are in nonsafety related components. Therefore, these changes do not increase the probability of occurrence or the consequences of an accident or malfunction of equipment important to safety as previously evaluated in the USAR, nor is the possibility for an accident or malfunction of a different type than any evaluated previously in the USAR created. These changes do not involve an Unreviewed Safety Question.

### SUMMARY OF CHANGES IN ACCORDANCE WITH 10 CFR 50.59 (Continued)

3. Plant Operations Procedure B.8, Revision 19, Refueling Operations, was revised to allow using the Spent Fuel Handling Bridge to hoist and transport the Retainer Disposal Can (RDC). Moving an RDC over spent fuel is prohibited by Limit and Precaution 3.25 of this procedure and Technical Specification 3.8.12. The RDC weighs less than a fuel assembly and is designed to be carried by bridge equipment. Therefore, this change to Procedure B.8 does not increase the probability of occurrence or the consequences of an accident or malfunction of equipment important to safety as previously evaluated in the USAR, nor is the possibility for an accident or malfunction of a different type than any evaluated previously in the USAR created. This procedure change does not involve an Unreviewed Safety Question.

### MAJOR SAFETY-RELATED MAINTENANCE, TESTS AND MODIFICATIONS NOT REQUIRING DETAILED SAFETY ANALYSES

1. Installation and testing of the fuel handling equipment continued in September 1989.
2. DCP R89 0020 replaced the timing relay SFBD in the load sequencer circuit on switchgear cubicle S4B03 with a Quality Class 1 relay.
3. DCP R89-0021 replaced the timing relay SFAD in the load sequencer circuit on switchgear cubicle S4A00 with a Quality Class 1 relay.
4. DCP R88-0129AA replaced the existing power cables for the Turbine Building Exhaust Fans A-552A and A-552B because the existing cables were undersized.



REFUELING INFORMATION REQUEST

1. Name of Facility Rancho Seco
2. Scheduled date for next refueling shutdown: \*
3. Scheduled date for restart following refueling: \*
4. Technical Specification change or other license amendment required: \*
5. Scheduled date(s) for submitting proposed licensing action: \*
6. Important licensing considerations associated with refueling: \*
7. Number of fuel assemblies:
  - a) In the core: 177
  - b) In the Spent Fuel Pool: 316
8. Present licensed spent fuel capacity: 1080
9. Projected date of the last refueling that can be discharged to the Spent Fuel Pool: December 3, 2001

\* Plant shut down June 7 following negative outcome of public vote regarding continued operation of Rancho Seco by SMUD.

AVERAGE DAILY UNIT POWER LEVEL

DUCKET NO. 50-312

UNIT Rancho Seco

DATE 9/30/89

COMPLETED BY Marla Mueller

TELEPHONE (916) 452-3211

MONTH September 1989

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	<u>0</u>
2	<u>0</u>
3	<u>0</u>
4	<u>0</u>
5	<u>0</u>
6	<u>0</u>
7	<u>0</u>
8	<u>0</u>
9	<u>0</u>
10	<u>0</u>
11	<u>0</u>
12	<u>0</u>
13	<u>0</u>
14	<u>0</u>
15	<u>0</u>
16	<u>0</u>

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

17	<u>0</u>
18	<u>0</u>
19	<u>0</u>
20	<u>0</u>
21	<u>0</u>
22	<u>0</u>
23	<u>0</u>
24	<u>0</u>
25	<u>0</u>
26	<u>0</u>
27	<u>0</u>
28	<u>0</u>
29	<u>0</u>
30	<u>0</u>
31	<u>0</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.

OPERATING DATA REPORT

DOCKET NO. 50-312  
 DATE 9/30/89  
 COMPLETED BY Marla Mueller  
 TELEPHONE (216) 452-3211

OPERATING STATUS

1. Unit Name: Rancho Seco Notes:  
 2. Reporting Period: September 1989  
 3. Licensed Thermal Power (Mwt): 2,772  
 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  
 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	<u>720</u>	<u>6,551</u>	<u>126,719</u>
12. Number of Hours Reactor Was Critical	<u>0</u>	<u>2,555.7</u>	<u>62,221.5</u>
13. Reactor Reserve Shutdown Hours	<u>348</u>	<u>2,436.4</u>	<u>12,736.6</u>
14. Hours Generator On-Line	<u>0</u>	<u>2,217.6</u>	<u>57,811.1</u>
15. Unit Reserve Shutdown Hours	<u>348</u>	<u>2,437.3</u>	<u>3,647.5</u>
16. Gross Thermal Energy Generated (MWH)	<u>0</u>	<u>4,623,125</u>	<u>141,951,953</u>
17. Gross Electrical Energy Generated (MWH)	<u>0</u>	<u>1,575,699</u>	<u>46,223,924</u>
18. Net Electrical Energy Generated (MWH)	<u>-3,846</u>	<u>1,426,555</u>	<u>42,470,438</u>
19. Unit Service Factor	<u>0%</u>	<u>33.9%</u>	<u>45.6%</u>
20. Unit Availability Factor	<u>48.3%</u>	<u>71.1%</u>	<u>48.5%</u>
21. Unit Capacity Factor (Using MDC Net)	<u>0%</u>	<u>24.9%</u>	<u>38.4%</u>
22. Unit Capacity Factor (Using DER Net)	<u>0%</u>	<u>23.7%</u>	<u>36.5%</u>
23. Unit Forced Outage Rate	<u>100%</u>	<u>46.1%</u>	<u>42.9%</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): *			
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		<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>

\* Plant shut down June 7 following negative outcome of public vote regarding continued operation of Rancho Seco by SMUD.



**UNIT SHUTDOWNS AND POWER REDUCTIONS**

DOCKET NO. 50-312  
 UNIT NAME Rancho Seco  
 DATE 9-30-89  
 COMPLETED BY M. Mueller  
 TELEPHONE (916) 452-3211

REPORT MONTH September 1989

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
20	6-7-89	S	720	F	1	N/A	N/A	N/A	Plant shut down June 7 following negative outcome of public vote regarding continued operation of Rancho Seco by SMUD

<sup>1</sup>  
 F Forced  
 S Scheduled

<sup>2</sup>  
 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)

<sup>3</sup>  
 Method:  
 1-Manual  
 2-Manual Scram.  
 3-Automatic Scram.  
 4-Other (Explain)

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

<sup>5</sup>  
 Exhibit I - Same Source