

U. S. NUCLEAR REGULATORY COMMISSION

REGION V

Report No. 50-312/82-29  
Docket No. 50-312 License No. DPR-54 Safeguards Group \_\_\_\_\_

Licensee: Sacramento Municipal Utility District  
P. O. Box 15830  
Sacramento, California 95812

Facility Name: Rancho Seco

Inspection at: Herald, California (Rancho Seco site)

Inspection conducted: June 29 - July 2, 1982

Inspectors: G. Hernandez, Reactor Inspector 7/30/82  
Date Signed

\_\_\_\_\_  
Date Signed

Approved by: J. H. Eckhardt, Acting Chief 7/30/82  
*for* J. H. Eckhardt, Acting Chief Date Signed  
Reactor Projects Section 1  
Reactor Construction Projects Branch

Summary:

Inspection on June 29 - July 2, 1982 (Report No. 50-312/82-29)

Areas Inspected: A special inspection by a regionally based inspector of modifications and repair activities associated with Steam Generator Auxiliary Feedwater Headers and the HPI Nozzle/Makeup lines. In addition the inspector conducted a review of licensee activities related to SMUD Special Report No. 82-04.

The inspection involved 28 inspection hours by one NRC inspector.

Results: No items of noncompliance or deviations were identified.

8208160509 820803  
PDR ADOCK 05000312  
Q PDR

## DETAILS

### 1. Persons Contacted

#### a. Sacramento Municipal Utility District (SMUD)

- \*L. G. Schwieger, Quality Assurance Director
- \*T. E. Perry, Senior Quality Engineer
- \*J. Uhl, Mechanical Engineer
- \*R. Lawrence, Mechanical Maintenance Supervisor
- S. W. Rutter, Quality Engineering Associate
- S. R. Sommer, Engineering Technician

#### b. Bechtel Power Corporation

- C. Letellier, Quality Control Coordinator
- H. Davis, Civil Inspector
- E. Conley, Mechanical/Welding Inspector

\*Denotes those attending the exit interview on July 2, 1982.  
Also, in attendance was Mr. H. L. Canter, the NRC Senior Resident Inspector.

### 2. Modifications/Repair to Existing Plant Systems

The Rancho Seco facility has been in cold shutdown since April 1982 in order to perform modifications and repairs to the High Pressure Injection Nozzles and the Auxiliary Feedwater Header System. The NRC Region V office by means of a task interface agreement with NRR was requested to review the licensee's Quality Assurance/Quality Control Program, the management controls and the repair/inspection associated with these activities. The licensee's ongoing activities with respect to these repairs are fully described in the NRC Resident Inspector's reports for May and June 1982 (see I.E. Inspection Report Nos. 50-312/82-21 and 82-25.)

During this inspection, the inspector observed the following work activities and reviewed the following quality assurance procedures and documents:

- a. High Pressure Injection Nozzles: The quality records for the high pressure injection nozzles were reviewed for compliance with the applicable licensee procedures, specification and code requirements. The records reviewed included Rancho Seco Work Requests, associated Engineering Requirements/Instructions, Maintenance Data Reports, Certifications for the sleeve material, Nondestructive Examination Reports, and all associated radiographs.

- b. Auxiliary Feedwater Header System: The inspector observed work activities inside containment including fit-up and welding of carbon steel pipe spools for both "A" and "B" Steam Generator Auxiliary Feedwater Headers. In the machine shop the inspector examined the mockup used for welder training, qualification and technique development (for reducing exposure to personnel). In addition, the inspector observed that the mockup served to develop techniques for assuring that chips and oil from the drilling operations could be effectively contained.

The inspector also reviewed a number of Maintenance Inspection Data Reports associated with the Auxiliary Feedwater Header (AFW) repair including directions for AFW header stabilization, capture of pins, and flange weld buildup.

These activities (items a and b) will continue to be reviewed during future NRC inspections. This is followup Item No. 50-312/82-20/01 from a previous NRC report.

No items of noncompliance or deviations were identified.

3. SMUD Special Report No. 82-04

In accordance with Rancho Seco Nuclear Generating Station Technical Specifications Section 6.9.5.B.1 and 10 CFR 50, Appendix K requirements, the licensee submitted on March 24, 1982 a report on Reactor Building inspections performed during March and September of 1981.

Two inspections were performed in 1981, both which were accomplished in accordance with the requirements of Technical Specification Section 4.4.1.4, "Annual Inspection" and Surveillance Procedure Number SP 205.4.

Typical discrepancies noted in the report included minor cracks in the exterior wall, grease leaking from tendons and corrosion on the interior surfaces of the containment wall liner. All noted discrepancies were duly documented on nonconformance reports. Discussions with cognizant engineers indicated that most nonconformance reports generated as a result of this inspection will not be addressed and closed out until the January 1983 outage. Typically, these types of inspections and repairs are normally scheduled during an outage or refueling shutdown to minimize the need for sending inspectors and/or craft personnel into containment during reactor operation. The present Rancho Seco schedule is for the plant to shutdown about January 1983 for refueling and TMI modification work.

Therefore, the disposition of these nonconformance reports will be reviewed during a future NRC inspection. (Followup Item: No. 50-312/82-29/01).

4. Management Interview

On July 2, 1982, the inspector met with the licensee personnel denoted in paragraph 1. The scope of the inspection, the observations and findings of the inspector were discussed.