

U.S. NUCLEAR REGULATORY COMMISSION  
OFFICE OF INSPECTION AND ENFORCEMENT

REGION V

Report No. 50-275/81-24

Docket No. 50-275 License No. DPR-76 Safeguards Group \_\_\_\_\_

Licensee: Pacific Gas and Electric Company

P. O. Box 7442

San Francisco, California 94106

Facility Name: Diablo Canyon Unit 1

Inspection at: Diablo Canyon Site, San Luis Obispo County, California

Inspection conducted: August 28 - October 2, 1981

Inspectors: Tolbert Young Jr. for 10-13-81

John D. Carlson, Sr Resident Reactor Inspector Date Signed

Tolbert Young Jr. for 10-13-81

Marvin Mendonca, Resident Reactor Inspector Date Signed

Approved By: Tolbert Young Jr. 10-13-81

Tolbert Young Jr., Chief,  
Reactor Projects Section 2 Date Signed

Summary: Inspection of August 28, 1981 to October 2, 1981 (Report No. 50-275/81-24)

Areas Inspected: Routine inspection including plant tours, preoperational testing, implementation controls, comparison of as-built plant to FSAR description, preoperational test witnessing, outstanding items review, testing of pipe support and restraint systems, emergency planning preoperational tests and training, radiation protection preoperational testing, task action plan requirements, radioactive waste systems preoperational tests, and plant procedure reviews. This inspection involved 115 inspector-hours onsite by two NRC resident inspectors. This report completes the requirements for preoperational testing inspection per MC 2593.

Results: No items of noncompliance or deviations were identified.

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DETAILS

1. Persons Contacted

- \*R. Thornberry, Plant Manager
- \*R. Patterson, Plant Superintendent
- J. S. Diamonon, Quality Control Supervisor
- \*J. M. Gisclon, Power Plant Engineer
- \*D. Q. Backens, Supervisor of Maintenance
- \*J. A. Sexton, Supervisor of Operations
- \*J. V. Boots, Supervisor of Chemistry and Radiation Protection
- \*C. M. Seward, Acting Supervisor of Quality Assurance (QA)
- \*W. B. Kaefer, Technical Assistant to the Plant Manager
- \*L. G. Lunsford, Security Supervisor

The inspectors also talked with and interviewed a number of other licensee employees including members of general construction, the operations staff, and QA personnel.

\*Denotes those attending the exit interview.

2. Plant Tour

The inspectors walked through various areas of the plant on a weekly basis to observe activities in progress; to inspect the general state of cleanliness, housekeeping, and adherence to fire protection rules; to check the proper approval of "man on the line, caution and clearance" tags on equipment, and to review with operations personnel the status of various systems in the plant.

No items of noncompliance or deviations were identified.

3. Procedures

Procedures reviewed:

OP-0	Reactor Trip with Safety Injection
OP-1	Loss of Coolant Accident
OP-2	Loss of Secondary Coolant
OP-3A	Steam Generator Tube Rupture
CAP A-6	Gasous Radwaste Discharge Management
NPAP E-4	Procedures

No items of noncompliance or deviations were identified.

4. Preoperation Test Implementation Controls

The inspectors verified by record review and/or observation that: (a) jurisdictional controls were being observed for

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system turnover, (b) tagging was accomplished consistent with jurisdictional controls of the administrative procedures, and (c) controls were being observed prior to and subsequent to testing. A schedule is being maintained for preoperational testing and updated when necessary.

No items of noncompliance or deviations were identified.

5. Comparison of As-Built Plant to FSAR Description

This report completes this topic. The containment spray and containment fan cooler systems were walked-down and found to be in agreement with drawings under quality control per FSAR design and commitments. Further, the instrumentation and controls drawings for these systems and the systems previously walked-down, i.e., high, intermediate, and low head safety injection and the accumulator systems, were verified to be in conformance with the FSAR.

No items of noncompliance or deviations were identified.

6. Preoperational Test Witnessing

Based on past observation of preoperational tests this inspection is complete.

No items of noncompliance or deviations were identified.

7. Outstanding Items Review

Conservatism of EP OP44 Appendix A Venting Time Period (81-22-01; closed).

An acceptable response to the calculational conservatism question was received from Westinghouse via PG&E. This item is closed.

No items of noncompliance or deviations were identified.

8. Preoperational Testing of Pipe Support and Restraint Systems

A group of safety related pipe support and restraint systems were observed under cold conditions. The inspection showed all observed systems to be functional. These observations will be used as baseline data for comparison with data taken after heatup and transient testing.

No items of noncompliance or deviations were identified.

THE UNIVERSITY OF CHICAGO  
DEPARTMENT OF CHEMISTRY  
5780 SOUTH CAMPUS DRIVE  
CHICAGO, ILLINOIS 60637

RECEIVED  
JAN 10 1964  
FROM  
DR. J. H. GOLDSTEIN  
TO  
DR. R. M. WAYNE

RE: [Illegible]

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9. Emergency Planning Tests and Training

Observations and participation in emergency drills and emergency planning training have shown the licensee's emergency organization and procedures to be acceptable.

No items of noncompliance or deviations were identified.

10. Radiation Protection - Preoperational

Observation and participation in radiation protection training has shown the licensee's program to be acceptable.

No items of noncompliance or deviations were identified.

11. TAP item II.F.2 Inadequate Core Cooling Instruments

The required prerequisites for fuel load have been completed. The remaining requirements will be addressed per the January 1, 1982 implementation date.

No items of noncompliance or deviation were identified.

12. Evaluation of Test Results

The inspectors reviewed testing results for the fuel transfer system functional test and the radiation monitoring system preoperational test. The results were compared to the acceptance criteria and were found to be within the tolerance specified. Additionally, the inspector verified the results were reviewed and accepted by the plant staff review committee.

No items of noncompliance or deviations were identified.

13. Exit Interview

An inspector met with senior licensee representatives on a weekly basis and with the representatives (denoted in Paragraph 1) at the exit interview on September 25, 1981. The scope and findings of the inspection were summarized by the inspectors. The inspectors informed the licensee that the NRC program for preoperational testing was complete for Unit No. 1 and the startup/power ascension testing program, along with the operational phase program, would be implemented. In addition, the licensee was informed that all NRC items on the fuel load punch list were complete.

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