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

REGION V

Report No. 50-275/81-01
50-323/81-01

Docket No. 50-275, 50-323 License No. CPPR 39, CPPR 69 Safeguards Group

Licensee: Pacific Gas and Electric Company

P. O. Box 7442

San Francisco, California 94106

Facility Name: Diablo Canyon Units 1 & 2

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

Inspection conducted: January 1-31, 1981

Inspectors: P. J. Morrill for — 6 February 1981
Tolbert Young Jr., Senior Resident Reactor Inspector — Date Signed

P. J. Morrill for — 6 February 1981
Mario Bagaglio Jr., Resident Reactor Inspector — Date Signed

Date Signed

Approved By: D. M. Sternberg — 2/6/81
D. M. Sternberg, Chief, Reactor Projects Section 1 — Date Signed
Reactor Operations and Nuclear Support Branch

Summary:

Inspection of January 1-31, 1981 (Report Nos. 50-275/81-01 & 50-323/81-01)

Areas Inspected: Routine inspection of preoperational testing, plant tour, fire prevention protection, IE Bulletin/Circular followup, followup of outstanding items, operator training, procedure reviews, and fuel loading/full power prerequisites. This inspection involved 69 inspector-hours onsite by two NRC resident inspectors.

Results: No items of noncompliance or deviations were identified.

RV Form 219 (2)

DETAILS

1. Persons Contacted

*R. Thornberry, Plant Manager
R. Patterson, Plant Superintendent
*J. S. Diamonon, QC Supervisor
*J. M. Gisclon, Power Plant Engineer
*D. A. Backens, Supervisor of Maintenance
*J. A. Sexton, Supervisor of Operations
*R. T. Twiddy, QA Supervisor
*J. V. Boots, Supervisor of Chemistry and Radiation Protection
*W. B. Kaefer, Technical Assistant to Plant Manager

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. Followup on Previously Identified Items

Temporary Changes to Procedures

(Closed) Open Item (275/77-02; 275/77-09): Administrative procedure No. NPAP A-100 has been revised to reflect the words of the proposed technical specifications.

No items of noncompliance or deviations were identified.

3. IE Bulletin/Circular Followup

Circular No. 79-25, Supplement A (Closed)

Supplement A to the Circular discusses additional problems with the Bergen-Paterson strut assembly. As before, Supplement A does not apply to the plant because no Bergen-Paterson hardwares have been in use in either unit.

Circular No. 80-07 (Closed)

Although the Circular specifically addresses BWRs, the plant staff found it appropriate to review this Circular as well. Terry Turbines are also used to drive the Diablo auxiliary feedwater pumps.

The review concludes that water accumulation in the turbine's lube oil would not pose any starting problem since its stop valve is normally open and not hydraulically actuated like the ones described in the Circular. Regular inspections by the Operations Department, inspections required by the PM Program and the yearly lube oil change, it is felt, should preclude the problem at Diablo. The Chemistry and Radiation Protection Department, in addition, is considering to develop a periodic lube oil analysis program for rotating equipment that will include the Terry Turbines to control the quality of their lubricating oils.

Circular No. 80-11 (Closed)

The staff finds the Circular does not apply to the plant in that the lube oil coolers of concern have their tubes rolled into the tube sheet rather than solder sealed.

Circular No. 80-13 (Closed)

The applicable B-8 series fuel handling Operating Procedures will be revised to reflect any Westinghouse recommendations communicated to the Company. A fuel drag force monitor on the manipulator crane has recently been installed with audio visual alarms to help operators during fuel handling operations.

Circular No. 80-17 (Closed)

Westinghouse, in their letter PGE-4130 of 2/26/80, feels the water jetting problem has already been eliminated in Unit 1. The Unit 1 core baffle plate design has edge to edge bolts along the full length of adjoining baffle segments. Peening was used to reduce the gap between the baffle segments.

Westinghouse is scheduled to modify the Unit 2 core baffle because of its reducednumber of edge bolts. The modification consists of the addition of edge bolts along the full length of the corner baffle plates which will make it similar to Unit 1, and peening of the gaps after bolting.

No items of noncompliance or deviations were identified.

4. 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 operation personnel the status of various systems in the plant.

The inspectors noted that the status of the systems and the housekeeping appeared consistent with construction activities. The reactor cavity is still being maintained as a clean area. Cleanliness and housekeeping of the plant is still improving.

No items of noncompliance or deviations were identified.

5. Preoperational Testing

a. Portions of the following tests and operations were witnessed by the inspector:

12.2A2	CS Pump Performance Test
23.12	Hydrogen Recombiner Preoperational Test

b. While witnessing the above testing (in some tests only parts of the tests were being performed or redone), the inspector verified that the procedures were technically adequate; the latest revisions were available and approved, the overall crew performance was adequate and, in the case of completed tests, the acceptance criteria were met. Administrative controls for design change and documentation were followed.

No items of noncompliance or deviations were identified.

6. Fuel Loading (FL)/Full Power (FP) Prerequisites

An inspector reviewed one TAP item in accordance with Temporary Instruction (TI) 2514/01 Rev. 2. The result of this inspection is as follows:

TAP I.C.7 - NSSS Vendor Review of Low Power Test Procedures.

Summary: Each operating license applicant should submit its Low Power Test Procedures to its respective NSSS for review and approval.

Findings and Conclusion: PG&E has submitted its Low Power Test Procedures to the NSSS. By letter dated November 26, 1980, the NSSS informed the applicant that they have reviewed and approved the submitted Low Power Test Procedures. Accordingly, this TAP is considered satisfied and closed.

No items of noncompliance or deviations were identified.

7. Fire Protection/Prevention

The control room and the cable spreading rooms were inspected. The fire alarm, extinguishing equipment actuating controls and fire fighting equipment were verified to be operable in the cable spreading rooms and 25% of the balance of the plant. The new cable penetration seal material was verified not to be flammable.

No items of noncompliance or deviations were identified.

8. Exit Interview

The inspectors met with a senior licensee representative on a weekly basis and with the representatives denoted in Paragraph 1 on January 29, 1981. The scope and findings of the inspection were summarized by the inspectors.