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

REGION V

Report No. 50-275/80-09

Docket No. 50-275 License No. CPPR-39 Safeguards Group

Licensee: Pacific Gas and Electric Company
77 Beale Street
San Francisco, California 94106

Facility Name: Diablo Canyon Unit 1

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

Inspection Conducted: April 15-17, 1980

Inspectors: M. J. Bagaglio, Jr., Reactor Inspector — 5/1/80 Date Signed

Approved by: D. M. Sternberg, Chief, Reactor Project Section #1, Reactor Operations and Nuclear Support Branch — 5/2/80 Date Signed

Summary:

Inspection on April 15-17, 1980 (Report No. 50-275/80-09)

Areas Inspected: Routine, unannounced inspection of preoperational test program, followup of outstanding items and a tour of the facility. This inspection involved 23 inspector-hours onsite by one NRC inspector.

Results: No items of noncompliance or deviations were identified.

DETAILS

1. Persons Contacted

*R. Ramsay, Plant Superintendent
*J. Diamonon, Quality Control Supervisor
*M. Norem, Resident Startup Engineer
D. Backens, Supervisor of Maintenance
*J. Gisclon, Power Plant Engineer
*A. Hardy, Quality Control Inspector
*C. Seward, Quality Assurance Engineer
R. Nanninga, Power Production Engineer

The inspector also talked with and interviewed other licensee employees, including members of the construction, engineering and operations staff and QC organization personnel.

*Denotes those attending the exit interview on April 17, 1980.

2. Preoperational Test Program

The inspector reviewed seven preoperational tests that had been reviewed by the PSRC:

1.6	-	RCS Chemistry Addition and Control
3.1	-	Motor Driven Auxiliary Feedwater Pumps Initial Startup
3.1	-	Addendum 1
4.3	-	Main Steam Safety Valves Set Point and Blowdown Verification
8.3.3	-	Boric Acid Addition and Control
8.4.2	-	Performance Demonstration Boric Acid Addition and Control
9.3	-	Safety Injection System Preoperational Test

Evaluation of the recorded data by the inspector revealed the following finding:

In test procedure 8.3.3., Boric Acid Addition and Control, the combined flowrate for both Boric Acid Transfer Pumps operating in fast speed was 92.8 gallons per minute (gpm). This value is significantly below the 150 gpm capacity stated in the Final Safety Analysis Report (FSAR). The inspector verified that the observed flowrate for both BA Transfer Pumps (operating in fast speed) had been transmitted to the NSSS vendor and that the vendor response stated that the observed flowrate was satisfactory without any basis or explanation. The inspector requested and the licensee committed to obtain from the NSSS vendor the basis for accepting the existing condition. This is an open item to be followed up on during a future inspection (80-09-01).

There were no items of noncompliance or deviations.

3. Followup of Outstanding Items

The inspector conducted discussions with licensee representatives on two outstanding items with the following findings:

(Closed) Unresolved Item (275/80-03-03): Failure to set the Boron Injection Tank (BIT) Low Flow Alarm in accordance with the NSSS recommendation. The inspector and licensee representative reviewed the preoperational test package and the licensee's Precautions, Limitations, and Setpoint (PLS) document. Although data in the test package is ambiguous in that it infers that 9 $\pm$ 1 gpm should be the low flow alarm setting, in fact the NSSS vendor has demonstrated that 90% of normal BIT recirculation flow is an acceptable set point. The licensee has properly set the BIT recirculation low flow alarm.

(Open) Unresolved Item (275/80-03-02): Failure to identify permanently installed instrumentation in preoperational tests used to record data and failure to account for inaccuracies of permanently installed instrumentation in evaluating preoperational test results. Based upon discussion with a licensee representative, it was not the original intent of the licensee procedures to identify in test procedures permanently installed instrumentation used to record data. Subsequent to discussions with the inspector, the licensee stated that identification of permanently installed instrumentation in test procedures will now be required if the instrumentation is to be used to record test data. In addition, the licensee committed to review and evaluate preoperational test data obtained from permanently installed instrumentation to verify acceptability of test results. The licensee indicated that the results of this review would be summarized in a written report. Pending receipt of the licensee's evaluation of test data, this item will remain open.

There were no items of noncompliance or deviations.

4. Plant Tour

The inspector conducted a tour of the Unit 1 facility. Housekeeping and cleanliness of Unit 1 appeared consistent with construction activities and fire and safety requirements. Much of the equipment and staging inside the containment for Unit 1 has been removed.

There were no items of noncompliance or deviations.

5. Exit Interview

The inspector met with licensee representatives (denoted in Paragraph 1) on April 17, 1980. The scope and findings of the inspection were summarized by the inspector.