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

REGION V

Report No. 50-275/80-03
50-323/80-02

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

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

Facility Name: Diablo Canyon Units 1 & 2

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

Inspection conducted: February 4-6, 1980

Inspectors:	<u>P. J. Morrill</u>	<u>3/17/80</u>
	P. J. Morrill, Reactor Inspector	Date Signed
	<u>M. J. Bagaglio, Jr.</u>	<u>3/18/80</u>
	M. J. Bagaglio, Jr., Reactor Inspector	Date Signed

Approved By:	<u>D. M. Sternberg</u>	<u>3/19/80</u>
	D. M. Sternberg, Chief, Reactor Project Section #1, Reactor Operations and Nuclear Support Branch	Date Signed

Summary:

Inspection on February 4-6, 1980 (Report Nos. 50-275/80-03 and 50-323/80-02).

Areas Inspected: Routine, unannounced inspection of preoperational testing, evaluation and verification of test results, independent inspection, IE Circular and Bulletin follow-up, and a tour of the facility. This inspection involved 40 inspector-hours onsite by two NRC inspectors.

Results: No items of noncompliance or deviations were identified.

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DETAILS

1. Persons Contacted

- #*R. Ramsay, Plant Superintendent
- R. Patterson, Supervisor of Operations
- *J. Diamonon, Quality Control Supervisor
- #*J. Shiffer, Technical Assistant to Plant Superintendent
- *M. Norem, Resident Startup Engineer
- D. Rockwell, Resident Engineer, Electrical
- *J. Gisclon, Power Plant Engineer
- #J. Hoch, Project Engineer
- #S. Skidmore, Nuclear Engineer
- #M. Williamson, Licensing Engineer

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

*Denotes those attending the exit interview on February 6, 1980.

#Denotes those attending the meeting on March 12, 1980.

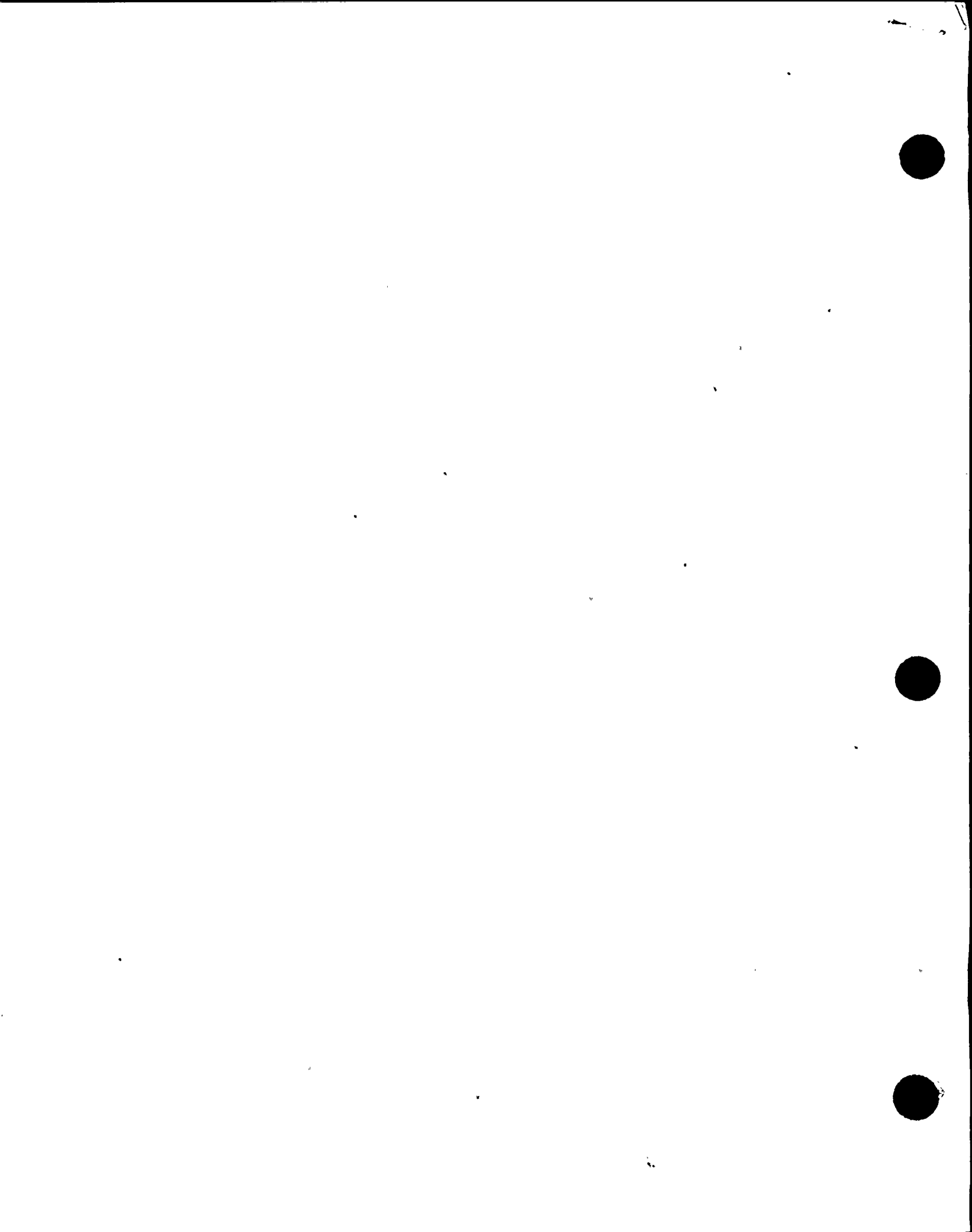
2. Preoperational Test Program

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

- 17.8 - Preoperational Test of Auxiliary Seawater System
- 17.8 - Addendum 1
- 10.3.1 - RHR/SI Systems Valve Interlocks and Alarms
- 10.3.1 - Addendum 1
- 10.3.1 - Addendum 2
- 8.3.3 - Boric Acid Addition and Control
- 8.3.4 - Preoperational Test of Boric Acid Recycle

Data recorded in these tests met the acceptance criteria of the procedure. Evaluation of the recorded data by the inspector revealed the following findings:

- a. In test procedure 8.3.3., Boric Acid Addition and Control, the Boron Injection Tank Low Flow Alarm was verified to actuate at 7 ± 1 gpm (it actuated at 7 gpm). Data available in the test package indicated that the vendor recommended that the acceptable alarm setting should be 9 ± 1 gpm. A licensee representative stated that the test results would be reevaluated. (This is an unresolved item.
80-03-03)



- b. Permanently installed instrumentation was often used to record test results. Contrary to previous and current licensee procedures for the preparation and conduct of preoperational testing, permanently installed instrumentation was not identified nor its range or accuracy included in several tests to allow assessment of the results. Consequently after determining which permanently installed instrumentation was used and its characteristics, the inspector evaluated acceptance of existing test data. This evaluation revealed that sufficient inaccuracy could be introduced into existing test results recorded from permanently installed instrumentation such that acceptability of the test data was questionable. During the meeting of March 12, 1980, the licensee committed to reevaluate test data recorded from permanently installed instrumentation during preoperational testing. Pending evaluation of and satisfaction with the licensee's corrective action in this matter during a future inspection, this finding is being left opened. (This is an unresolved item. 80-03-02)

3. IE Bulletin and Circular Follow-up

The inspector verified by discussions with licensee personnel and review of Plant Safety Review Committee Meeting minutes that the following circulars were received by the licensee, reviewed for applicability by appropriate personnel, and appropriate actions were taken or planned. The information provided in the licensee's response to IE Bulletin No. 79-24 and 79-15 was verified by the inspector.

Circular 79-18 - Proper Installation of Target Rock Safety - Relief Valves: The licensee concluded that no Target-Rock Safety Relief Valves were used or planned for use at Diablo Canyon Units 1 and 2. (closed)

Bulletin 79-24 - Frozen Safety Related Lines: The licensee has determined that temperatures at the Diablo Canyon Site do not fall below freezing. (closed)

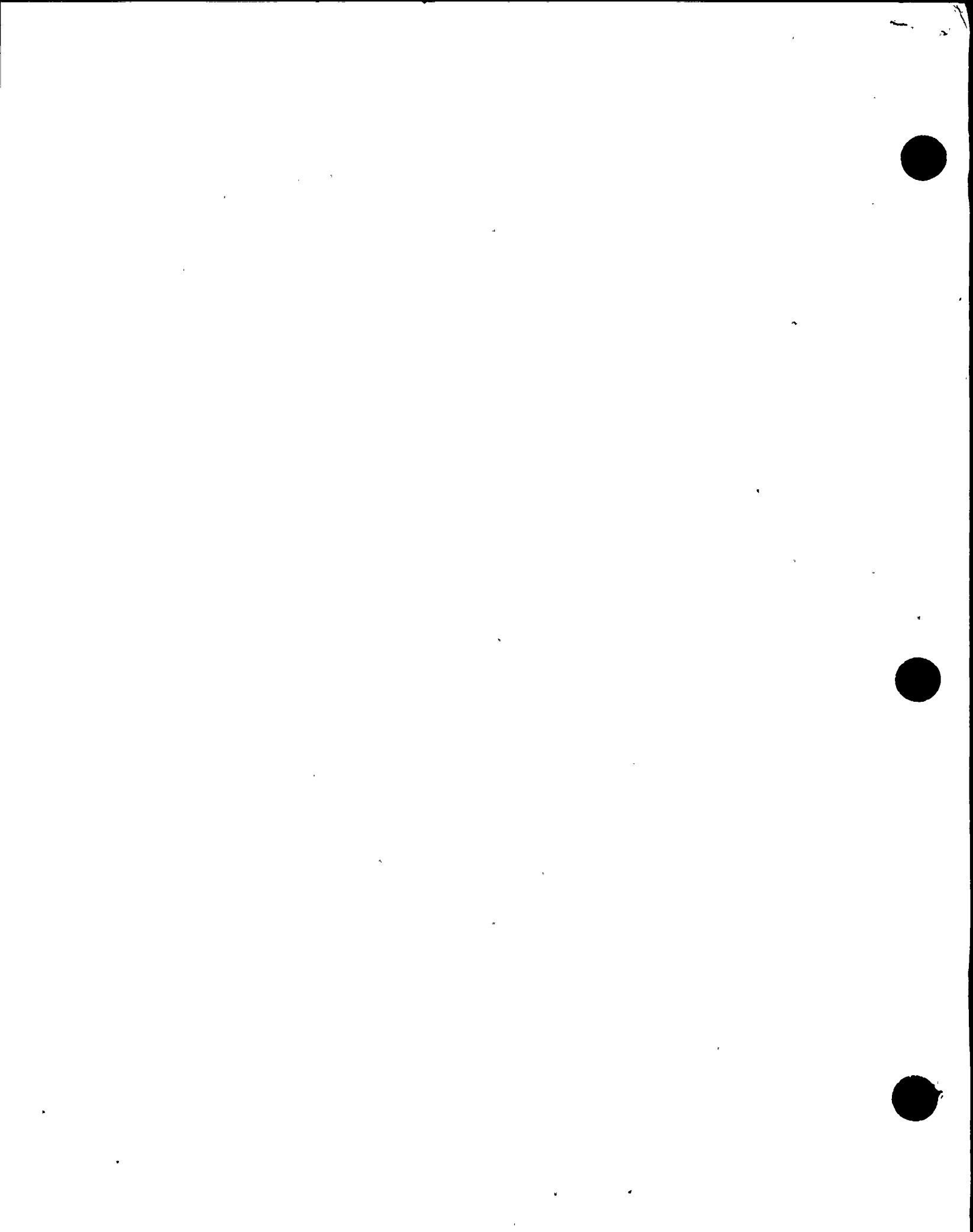
Bulletin 79-15 - Material Defects in Deep Draft Pumps: This Bulletin appears applicable only to the auxiliary salt water pumps at Diablo Canyon. The licensee's response for the unit one pumps was examined and appeared satisfactory (closed for unit one - open for unit two).

No items of noncompliance or deviations were identified.

4. Plant Tour

The inspectors toured the facility and made the following observations:

- a. Unit 1 systems and components were in a layup status consistent with their construction and testing status.



- b. Housekeeping and cleanliness in Unit 1 appeared consistent with construction activities and applicable fire and safety requirements.

No items of noncompliance or deviations were identified.

5. Surveillance Procedures

An inspector discussed with the licensee revision of the surveillance procedure for the Solid State Protection System (SSPS). The licensee is currently incorporating into the SSPS surveillance procedure provision for testing permissive P-4 per vendor recommendation. The SSPS surveillance procedure will be reviewed during a future inspection. (80-03-01/80-02-01)

No items of noncompliance or deviations were identified.

6. Exit Interviews

The inspectors met with licensee representatives (denoted in Paragraph 1) on February 6, 1980. The scope and findings of the inspection were summarized by the inspectors.

The inspectors and their section chief met with licensee representatives (denoted in Paragraph 1) on March 12, 1980. This meeting specifically addressed the finding concerning the evaluation of test data obtained from installed plant instrumentation during preoperational testing.

