

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

REGION V

Report No. 50-133/78-14

Docket No. 50-133 License No. DPR-7 Safeguards Group _____

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

Facility Name: Humboldt Bay Unit 3

Inspection at: Eureka, California

Inspection conducted: November 13-15, 1978

Inspectors: <u>H. L. Canter</u>	<u>11-22-78</u>
H. L. Canter, Reactor Inspector	Date Signed
<u>D. J. Morrill</u>	<u>11-22-78</u>
P. J. Morrill, Reactor Inspector	Date Signed
<u>J. D. Woessner</u>	<u>11/22/78</u>
J. D. Woessner, Reactor Inspector	Date Signed
Approved By: <u>B. H. Faulkenberry</u>	<u>11/22/78</u>
B. H. Faulkenberry, Chief, Reactor Project Section 2	Date Signed

Secretary:

Inspection on November 13-15, 1978 (Report No. 50-133/78-14)

Areas Inspected: Routine, unannounced inspection of outage activities; pipe support surveillance; calibration; followup on IE Bulletins and Circulars; and followup on Licensee Event Reports. The inspection involved 57 inspector-hours onsite by three NRC inspectors.

Results: No items of noncompliance or deviations were identified.

7812270 456

RV Form 719(2)

DETAILS

1. Persons Contacted

- *W. Raymond, Plant Superintendent
- *E. Weeks, Power Plant Engineer
- *W. Rapp, Senior Power Production Engineer
- S. Redeker, Power Production Engineer
- R. Twiddy, Q.C. Engineer
- *R. Anderson, Q.A. Engineer

The inspectors also interviewed other licensee employees during the course of the inspection including control operators, shift foremen, maintenance personnel, and office personnel.

*Denotes those present at the exit interview on November 15, 1978.

2. Plant Activities During Outage

The major items remaining to be completed during the outage have been deferred until resolution of the geologic/seismic issues at the plant. No major work was observed to be in progress during this inspection.

The inspectors walked through all areas of the plant to observe activities in progress, to inspect the general state of house-keeping, and to check that monitoring instrumentation was reading or recording as required. Temperature and nuclear monitoring indications appeared normal. The inspector observed that neutron monitoring was being performed in accordance with Technical Specification requirements. Normal radiation control practices were in effect including the establishment of barriers controls. No unusual fluid leaks or piping vibrations were observed. The ventilation systems, nuclear instrumentation, component cooling system, and reactor protection systems were in operation during this tour.

Representative samples of the following logs and operating records from August 29, 1978 to November 14, 1978 were examined and discussed with licensee personnel:

Control Operator's Log

Shift Foremen's Log

Reactor Console Data Sheets

Supervisor of Operations Shift Order Sheets

Jumper and Lifted Circuit Control Sheets

Clearance Logs (Operations and G.C.)

No items of noncompliance or deviations were identified.

3. Licensee Action on IE Circular and Bulletins

The inspectors verified that the licensee had received IE Circular 78-17 and IE Bulletin 78-12. The status of reviews in progress on the circular and bulletin are as follows:

Bulletin 78-12 - Atypical Weld Material in Pressure Vessel Welds: The licensee received this bulletin on September 29, 1978. The licensee intends to defer response to this bulletin pending the seismic issue resolution at Humboldt. This item remains open.

Circular 78-17 - Inadequate Guard Training/Qualification and Falsified Training Records: The licensee received this circular on October 16, 1978. A review by cognizant licensee personnel was in progress during this inspection. This item remains open.

No items of noncompliance or deviations were identified.

4. Reportable Event Followup

The circumstances and corrective action described in the Licensee Event Report listed below was verified by the inspector through an examination of selected records and interviews with responsible personnel. The event had been reviewed by the licensee and reporting requirements were met. The event prompted a design change to the fire pump piping. The design change package and 10 CFR 50.59 review were examined. The design changes are not completed so this item remains open.

LER 78-003/03L-1: Failure of the relief valve to the number 3 fire/LPCF pump due to improper installation of the relief valve.

No items of noncompliance or deviations were identified.

5. Surveillance of Pipe Support and Restraint Systems

As part of the seismic modifications, many mechanical snubbers, supports, hangers, restraints, etc., were added to existing piping systems. The cold settings were made by PG&E's General Construction Department after installation. Initial hot settings will be made

by General Construction personnel during hot functional testing, prior to start up in accordance with "Pipe Support/Restraint Hot Functional Test" procedures for each piping system. Several of these procedures were examined by the inspectors. All of these will be reviewed and approved by the PSRC prior to performance.

After the return to operations, the licensee plans to conduct annual surveillance in accordance with Operational Test Procedure No. 51, "Critical Piping System Inspection." A draft copy of this procedure was examined for technical adequacy. No problems were identified. The PSRC will review and approve this procedure in final form prior to performance.

The inspectors observed pipe supports and restraints on several safety-related systems during the plant tour.

No items of noncompliance or deviations were identified.

6. Calibration

The inspectors examined the administrative control system established to assure periodic calibration of components associated with safety-related systems or functions but not specified in the Technical Specifications as requiring calibration. The controls were found to: (a) specify the individual devices, (b) classify the devices as to type, (c) identify calibration requirements and procedures, and (d) establish the frequency of calibration for each item. The licensee's procedure implementing these controls was Administrative Procedure No. D-400, Supplements 1 and 2, Control of I&C Department Measurement & Test Equipment.

The following procedures and selected devices were examined as per the above:

OTC-14C	Monthly Fire/Low Pressure Core Flooding Pump Tests
OTP-64	Operators Heat Balance Calculations and Picoammeter Calibration Check
ICCP-007	Calibration of Laboratory Test Gauges
ICCP-011	Calibration of Instrument Laboratory Simpson Digital Multimeter
A-2	Calibration of Plant Pressure Transmitters
C-2	Calibration of In-Plant Level Transmitters
C-4	Calibration of In-Plant Level Switches
D-2	Calibration of In-Plant Flow Transmitters

- L-1 Calibration of Drywell Lower Head Level Transmitter and Level Switches
- P-1 Calibration of Poison Tank Level and Temperature Controls

No items of noncompliance or deviations were identified.

7. Exit Interview

The inspectors met with licensee representatives (denoted in Paragraph 1) at the conclusion of the inspection on November 15, 1978. The purpose and scope of the inspection was summarized by the inspectors. The licensee was advised that no items of non-compliance or deviations were identified.