UNITED STATES
ATOMIC ENERGY COMMISSION
DIVISION OF COMPLIANCE
REGION V
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November 11, 1971

J. B. Henderson, Chief
Reactor Construction Branch
Division of Compliance, Headquarters

PACIFIC GAS AND ELECTRIC COMPANY (DIABLO CANYON UNIT NO. 2)
DOCKET NO. 50-323

The attached report by our field inspector of a visit to the subject construction site on October 12-15, 1971 is forwarded for information. No safety problems or deficiencies were identified during the inspection.

The licensee appears to have an acceptable QC system for control of the fabrication and erection of the containment building liner.

PG&E is requiring all Project Contractors to provide administrative control of logs, personal diaries and similar records. The control procedures are to become a part of each contractor QA program and provide instructions requiring that a Quality Assurance representative audit the records for quality related items, to be satisfied that there are no unresolved quality problems, and that quality-related subjects have been brought to the attention of the appropriate authority. We believe this action on the part of the licensee is adequate to provide additional assurance that detected problems are properly resolved.

In general, we found from our reading of the selected construction logs that entries were quite detailed as to identity of problems, individuals involved and corrective action taken. Also the logs reflected extensive communications between contractors and PG&E concerning work performance.

/S/ RAE 11/17/71

G. S. Spencer
Senior Reactor Inspector

Enclosure:
CO Inspection Rpt No 7102
by A. D. Johnson dtd 11/12/71

cc w/encl:

E. G. Case, DRS (3)	A. Giambusso, CO
R. S. Boyd, DRL (2)	R. H. Engelken, CO
R. C. DeYoung, DRL (2)	L. Kornblith, CO
D. J. Skovholt, DRL (3)	Regional Directors, CO
H. R. Denton, DRS (2)	DR Central Files

cpd

SECTION I

Enforcement Action

None

Licensee Action on Previously Identified Enforcement Matters

None required

Unresolved Items

None

Status of Previously Reported Unresolved Items

None reported

Unusual Occurrences

None

Design Changes

None reviewed

Persons Contacted

The following persons were contacted during the inspection:

Pacific Gas & Electric Company (PG&E)

Mr. H. R. Hersey, Project Superintendent
Mr. R. W. Wood, QA Engineer - Site
Mr. V. E. Steen, QA Engineer - San Francisco
Mr. P. L. Bussolini, QC Coordinator
Mr. A. L. Schwab, Field Engineer

Pittsburgh - Des Moines Steel (PDM)

Mr. M. Schultz, Construction Manager
Mr. C. L. Bauer, Chief Inspector

Management Interview

The following subjects were discussed in a meeting with Mr. Hersey and members of his staff on October 15, 1971.

U. S. ATOMIC ENERGY COMMISSION
DIVISION OF COMPLIANCE

REGION V

INSPECTION REPORT

CO Report No: 50-323/71-02

Subject: Pacific Gas & Electric Co. — Docket No. 50-323

Diablo Canyon Unit No. 2 — License No. CPPR-69

Location: San Luis Obispo County — Priority

California — Category A-2

Dates of Inspection: October 12-15, 1971

Dates of Previous Inspection: June 23-25 and 30, 1971

Type of Licensee: PWR-3250 Mwt (Westinghouse)

Type of Inspection: Routine, Announced

Principal Inspector: A. D. Johnson, Reactor Inspector — 11/11/71 (Date)

Accompanying Inspectors: J. L. Crews, Reactor Inspector — 11/12/71 (Date)

(Date)

Other Accompanying Personnel: G. S. Spencer, Senior Reactor Inspector

Reviewed By: G. S. Spencer, Senior Reactor Inspector — 11/12/71 (Date)

Proprietary Information: None

A. Logbooks Maintained by PDM Site Personnel

The inspector cited two isolated instances where potential problems (liner plate laminations and drawing file discrepancies) were identified in the PDM Daily Logbook, and no entry was made concerning their resolution. It was possible, however, to determine the resolution of these problems by examining additional records (deficiency and QA audit reports) which had been prepared by PDM.

Mr. Hersey indicated that all contractors have been requested to provide in their QA programs provisions for auditing all logs, diaries and other similar records pertaining to work performed under contract for PG&E.

SECTION II

Additional Subjects Inspected, Not Identified in Section I, Where No Deficiencies or Unresolved Items Were Found

1. Status of Construction

Reinforcing steel and concrete placement for the Unit No. 2 containment building base mat was approximately 30% complete at the time of the current inspection. Site fabrication of the steel liner for the containment building was in progress.

2. Records and Procedures

a. The PDM quality control program and procedures covering the field fabrication, erection, welding and nondestructive testing of the containment building liner.

b. Certified test reports by Pacific States Steel Company covering the physical and chemical properties of reinforcing steel used in the containment building base mate.

c. Records relating to the frequency and results of tests conducted on reinforcing steel Cadweld splices made in the containment building base mat.

d. Certified test reports by U. S. Steel Corporation covering the physical and chemical properties of steel plate materials to be used in the containment building liner.

e. PDM Logbook by D. D. Wheeler (Inspector) for the period June 15, 1971 through October 13, 1971.

f. PG&E Logbook by B. V. Gragg (Inspector-Civil) for the period August 19, 1971 through October 10, 1971

g. PG&E Logbook by L. G. Rasmussen (Resident Engineer - Civil) for the period August 20, 1971 through October 10, 1971.

h. PG&E Logbook by A. L. Schwab (Field Engineer - Mechanical) for the period June 1971 through October 10, 1971.

i. Inspection and test equipment calibration manuals as required by PG&E's QA program.

j. Use of safety analysis change procedure by site personnel.

3. Tours were conducted of the containment building construction area, during which the placement and splicing of reinforcing steel was observed.

4. Tours were conducted at the Pismo Beach warehouse and the site material storage areas, during which measure for the surveillance and protection of materials were examined.

5. Discussions on use of safety analysis change procedure by construction department personnel.

6. Instructions to control construction logbooks.

Details of Subjects Discussed in Section I

7. PDM Daily Log

Examination of the PDM Daily Log for the period January through September 1971 revealed two instances where potential problems were identified and their resolution was not documented in the logbook. In one instance indications of liner plate laminations were discussed, and in another instance brief mention was made of several discrepancies in the PDM drawing files.

These entries were discussed with Mr. Bauer. He was able to readily provide a PDM QC audit report and other records showing the resolution of the drawing file discrepancies. The PDM files contained deficiency reports covering the liner plate laminations discussed in the Daily Logbook.

Mr. Bauer stated that PDM was to institute immediately a program of periodic audit of the logbooks maintained by their site personnel. He said that this audit would be conducted by the QC staff, and would be aimed at insuring that logbook entries include the resolution of problems or reference to other documentation containing such information.