

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

REGION V

Report No. 50-361/79-01
50-362/79-02

Docket No. 50-361 License No. 50-362 License No. CPPR-97 License No. CPPR-98 Safeguards Group

Licensee: Southern California Edison Company
2244 Walnut Grove Avenue
Rosemead, California 91770

Facility Name: San Onofre Units 2 and 3

Inspection at: Construction Site, San Diego County, California

Inspection Conducted: January 8-11, 1979

Inspectors: *W. G. Albert* 1/31/79
W. G. Albert, Reactor Inspector Date Signed

Approved By: *R. C. Haynes* 1/31/79
for R. C. Haynes, Chief, Project Section, Reactor Construction and Engineering Support Branch Date Signed

Summary:

Inspection on January 8-11, 1979 (Report Nos. 50-361/79-01 and 50-362/79-01)

Areas Inspected: Routine, unannounced inspection of the Bechtel system for controlling the calibration of measuring and test equipment. The inspection involved 30 inspector-hours onsite by one regionally based NRC inspector.

Results: In the area inspected, one item of noncompliance was identified.

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DETAILS

1. Persons Contacted

a. Southern California Edison Company (SCE)

P. A. Croy, Site QA/QC Supervisor
W. L. Rossfeld, QA Engineer
D. B. Schone, Field Engineer
P. R. King, QA Engineer
D. F. Martin, Project Engineer
M. Rodin, QA Engineer
J. Garven, QA Engineer

b. Bechtel Power Corporation (Bechtel)

C. A. Blum, Site QC Manager
J. Mattimoe, Lead QC Engineer
J. E. Geiger, Project Field QA Engineer
P. G. Koehnert, QC Engineer
R. L. Dotson, Tool Controller
G. W. Taylor, Sr. Material Supervisor
C. Smith, Sr. Nuclear Field Engineer
N. Sandefur, Nuclear Field Engineer
T. Peterson, Nuclear Field Engineer
W. W. Rogers, Nuclear Field Engineer
R. J. Raridan, Instrument Supervisor
A. Erickson, Project QC Engineer

c. Combustion Engineering, Inc. (CE)

S. Salwach, Nuclear Site Manager

d. Woodward-Clyde Consultants

J. A. Barneich, Geologist-Associate

2. Licensee Action on Previously Identified Inspection Items

a. (Open) (50-362/78-04) Voids Formed by Dewatering Wells

A meeting was held with SCE and a Woodward-Clyde representative to determine the schedule for completing work on the voids created by the dewatering wells. The NRC inspector noted that

although this work was being followed by the NRC licensing organization, there was still a final 50.55(e) report to be completed. In essence, all physical work has been completed and the remaining work consists of reducing data, completing reports and constructing models for wells 6 and 7. All reports are expected to be completed by early March 1979.

b. (Closed) (Unresolved Item) (50-362/77-07) Examination of Calibration Control System

This examination is discussed below as the principal activity of the inspection. As a result of findings during this inspection, this item is now categorized as an item of noncompliance and will be carried as an open item of enforcement (see Paragraph 4).

3. Procedures For Control of Calibrated Measuring and Test Equipment (MTE)

Bechtel's procedures for control of MTE were examined against the requirements and commitments of the PSAR. Although the procedures were not in conflict with the PSAR, the inspector had certain comments on the procedures as follows:

- a. Paragraph references in 5.2.1 were in error.
- b. The procedure provided no guidance for the practice of "updating" which allows calibration intervals to be extended when equipment is not used.
- c. The procedure provides for QA review of calibration records only when records are sent to the EDMC (storage facility). These records are retained in the Materials Supervisor files; thus, any review would not take place until project completion.
- d. Appendix VI appears to be in conflict with the basic procedure in that it either establishes another recall system for the equipment covered or the established recall system is not being properly used (see Paragraph 4 below).
- e. Appendix VI is established for MTE used by the nuclear field engineering group, but this is not stated.
- f. Appendix VI wording confuses "calibration" with "verification" and appears to reference the verification table as calibration intervals which apparently is not intended. For instance,

the introduction to Appendix VI refers to "calibration/verification intervals" and Paragraph 3.3 states that "field calibration is to be performed at the intervals specified."

Procedures used by SCE were also examined.

No items of noncompliance or deviations were found in the procedures examined. The licensee was provided with the comments noted above and stated that the procedures would be clarified. This item will be examined further during a future inspection. (50-361/79-01/01) (50-362/79-01/01)

4. Observations and Records of Bechtel Calibration Control System

Selected items were traced through the calibration records system to verify use of recall procedures, calibration procedures, control of equipment, and maintenance of records. Site calibration of pressure gauges and relief valves was also examined.

A master inventory record which apparently controlled calibration of a group of MTE was examined. Several records and file discrepancies were found for the listed equipment which was being used by the Nuclear Field Engineering Group. This group had designated approximately 70 items for their use which were to be field calibrated and would require "verification" (usually a one or two point check) prior to use. From this group of items, many had been designated as requiring calibration only prior to use or were listed as "out of service." However, the items in this restricted use category did not account for about 20 items which were not listed on calibration recall cards maintained by the Project Field Quality Control Supervisor. Except for one item, calibration record files were being maintained, and in the sample selected, no out of calibration items were found in use. This open item of enforcement will be examined during a subsequent inspection (50-361/79-01/02 and 50-362/79-01/02).

Among the items controlled by the recall system administered by the Project Field Quality Control Engineer, which is the basic system in use for controlling construction MTE, no discrepancies were noted.

The inspector selected certain items at random from equipment in the plant and traced these items to ascertain that they were either: (1) controlled, (2) belonged to another organization, or (3) did not require calibration. One item, a load cell used for lifting core internals, was matched to CE requirements. No discrepancies were noted.

5. Exit Interview

At the conclusion of the site inspection, the inspector met with P. A. Croy to review his findings and on January 12, 1979, the NRC Resident Inspector discussed these findings with project management at his routine weekly meeting. The inspector noted that he had found evidence that Appendix VI of WPP/QCI was being treated as a separate recall system by some individuals. Nonetheless, the licensee stated that Appendix VI to Bechtel Procedure WPP/QCI 010 was not intended to be a separate recall and control system from that specified in the basic procedure. Therefore, the NRC finding of approximately 20 items which were in service, but not listed in the recall system was contrary to Bechtel procedure requirements.