

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

REGION V

Report No. 50-361/81-17

Docket No. 5C-361

Licensee: Southern California Edison Company

P. O. Box 800

2244 Walnut Grove Avenue

Rosemead, California 91770

Facility Name: San Onofre Unit 2

Inspection at: San Onofre, California

Inspection conducted: July 15 - 31, 1981

Inspector: *GJ Zwetzig* Aug. 21, 1981
for Gary Johnston, Resident Inspector Date Signed

Approved By: *GJ Zwetzig* Aug. 21, 1981
GJ Zwetzig, Chief, Reactor Projects Date Signed
Section 1, Reactor Operations Projects Branch

Summary: Inspection on July 15 to July 31, 1981 (Report No. 50-361/81-18)

Areas Inspected: Routine, resident inspection of preoperational test program and procedures, maintenance, plant tours, licensee actions on inspector-identified items, and independent inspection effort. The inspection involved 80 inspector-hours by one NRC inspector.

Results: Of the five areas inspected, no items of noncompliance or deviations were identified.

DETAILS

1. Persons Contacted

a. Southern California Edison Company (SCE)

- * C. R. Horton, Startup Quality Assurance Supervisor
- * P. A. Croy, Site Project Quality Assurance Supervisor
- * J. J. Pantaleo, Startup Quality Assurance Engineer
- * W. M. Schwab, Unit 3 Startup Supervisor
- * K. A. Slagel, Startup Management Supervisor
- R. Gray, Startup Maintenance Supervisor
- K. Johnson, Engineer
- A. Martel, Engineer
- A. Neill, Engineer
- T. Gray, Quality Assurance Engineer
- D. Stonecipher, Operations Quality Assurance Supervisor

b. Bechtel Power Corporation

- * L. W. Hurst, Project Quality Assurance Manager

In addition, operating personnel, craftsmen and engineers were also contacted during the course of the inspection.

* Denotes attendees of Management Meeting on July 31, 1981.

2. Plant Status

The licensee reported that Unit 2 construction was 99 percent complete as of July 29, 1981.

3. Preoperational Test Observation

Selected portions of the following tests conducted under the Preoperational Test Program were observed by the inspector.

- a. Diesel Generator Load Sequencing - 2PE-472-03.
- b. Main Steam System Valves and Traps (Valve closure time for main steam isolation valves) - 2PE-350-01.
- c. High Pressure Safety Injection - 2PE-225-01.

During the conduct of the tests, the inspector observed that the personnel conducting the tests were using the latest revision of the test procedure and were following the procedure. The inspector also verified by observation that the test prerequisites were met; that proper lineup of plant systems required for the test were complete; and that test equipment was calibrated and in service prior to commencement of the test.

No items of noncompliance or deviations were identified.

4. Maintenance

The inspector examined records of maintenance activities performed on equipment turned over to the startup organization to verify that regular preventive maintenance was being performed and documented. The inspector also discussed the turnover of maintenance activities to the station operations maintenance organization. The inspector emphasized that prior to fuel load the maintenance being performed should conform to the operations maintenance program.

No items of noncompliance or deviations were identified.

5. Plant Tour

The inspector toured Unit 2 several times during the report period. During these tours, the inspector directed attention toward housekeeping, equipment preservation, maintenance activities, and work on completed systems. During a tour of the containment, the inspector observed that reactor vessel studs stored vertically on a support stand had the threaded portions covered only with very lightweight polyethylene plastic sheeting. The following day, the inspector noted that the studs were covered with a more suitable heavy rubberized canvas material. During the management meeting, the inspector expressed the concern that greater attention be paid to the condition of equipment and the use of adequate protective measures.

No items of noncompliance or deviations were identified.

6. Licensee Action on Previous Inspection Finding

The inspector examined the action taken by the licensee on a previously inspector-identified concern.

(Closed) Followup Item (50-361/81-09/2). The licensee was requested to provide a means to assure that permanent plant instrumentation used for preoperational test acceptance criteria is in calibration prior to use in such tests. In response to this request, the licensee has agreed to conduct a three point calibration, within 30 days of the performance of a preoperational test, on all permanent plant instrumentation to be used in that 30-day period prior to the test, the Startup Engineer will initiate a Test Exception Report to resolve the question of the acceptability of the test data received from that instrumentation. (OI 50-361/81-17-01)

7. Management Interview

On July 31, 1981, the inspector met with licensee representatives (identified in Paragraph 1) to discuss the scope and findings of the inspection.