

U. S. NUCLEAR REGULATORY COMMISSION

REGION V

Report Nos. 50-361/83-18, 50-362/83-16

Docket Nos. 50-361, 50-362

License Nos. NPF-10, NPF-15

Licensee: Southern California Edison Company  
P. O. Box 800  
2244 Walnut Grove Avenue  
Rosemead, California 91770

Facility Name: San Onofre Nuclear Generating Station, Units 2 and 3

Inspection at: San Onofre Site, San Clemente, California

Inspection conducted: April 4-8, 1983

Inspectors: J. H. Eckhardt  
J. H. Eckhardt, Reactor Inspector

4/21/83

Date Signed

Approved by: D. F. Kirsch  
D. F. Kirsch, Chief, Reactor Projects  
Section No. 3,  
Reactor Projects Branch No. 2

4/22/83

Date Signed

Summary:

Inspection on April 4-8, 1983 (Report Nos. 50-361/83-18, 50-362/83-16)

Areas Inspected: Routine, unannounced inspection by a regional inspector of the corrective and preventative maintenance programs. The inspection involved 30 inspection hours by one NRC inspector.

Results: No items of noncompliance or deviations were identified.

## DETAILS

### 1 Persons Contacted

- \*R. Dietch, Vice President, Nuclear Engineering and Operations
- \*H. B. Ray, Station Manager
  - D. Schone, Site QA Manager
- \*B. Katz, Technical Manager
- \*W. Moody, Deputy Station Manager
- \*J. J. Wambold, Maintenance Manager
- \*P. A. Croy, Compliance and Configuration Control Manager
- \*K. Slagle, Startup Maintenance Manager
- \*W. M. Lazear, Corrective Maintenance/Code QA Supervisor
- \*C. R. Horton, Startup/Preventive Maintenance QA Supervisor
- \*J. S. Iyer, Lead Compliance Engineer
- \*R. H. Gray, Startup Maintenance Supervisor
- \*R. M. Santosuosso, Instrumentation and Control Supervisor
  - J. Grimes, General Foreman, Maintenance

\*Denotes those persons attending the exit meeting on April 8, 1983. Also, present at the exit meeting was A. Chaffee, Senior Resident Inspector, Unit 2.

### 2. Review of Maintenance Program

The licensee's preventative and corrective maintenance programs, as specified and controlled by the following procedures, were reviewed:

#### a. Preventative Maintenance

- (1) Maintenance Procedure S023-I-1.1, Rev. 6, "Scheduling of Preventative Maintenance"
- (2) Station Order S023-M-4, Rev. 0, "Preventative Maintenance Program"

#### b. Corrective Maintenance

- (1) Test Instruction 24, Rev. 10, "Maintenance and Repair"
- (2) Test Instruction 33, Rev. 0, "Work Order Processing"

The purpose of the review was to ascertain that certain selected elements were included in the written program. These selected elements included the following:

- . instructions for initiating requests for maintenance.
- . instructions for review and approval of maintenance requests.
- . criteria for QC inspection of maintenance activities.
- . identification of QC hold points.
- . instructions for component and system testing after maintenance.
- . criteria for preparation, review, and transmittal of records.

program for reviewing completed maintenance records to assess the adequacy of the maintenance program, to identify repetitive failures, and to identify design deficiencies.

In general, the inspector determined that these elements were adequately included in the defined program. The overall organization of the maintenance program was discussed with the licensee. The licensee indicated during the exit meeting that organization changes concerning responsibility for instrumentation and control maintenance were being considered to increase the effectiveness of the program.

No items of noncompliance or deviations were identified.

### 3. Evaluation of Completed Maintenance

The inspector reviewed preventative and corrective maintenance records to ascertain compliance with the procedures identified in paragraph 2. The records included preventative maintenance travelers and data sheets for 17 activities performed from September 1982 through January 1983 and 21 corrective maintenance work orders for activities performed from May 1982 through January 1983. The activities included both Unit 2 and Unit 3 maintenance.

The records were readily attainable and complied with the administrative procedures. However, the inspector considered that certain corrective maintenance orders did not adequately describe the maintenance which was performed, the corrective action required, or the cause of the deficiency. The effect of improved and more detailed work orders in possibly preventing future deficiencies of a similar nature was discussed. During the exit meeting, the licensee indicated awareness of this concern and that action was being taken to improve work order quality. The results of the licensee's effort in this area will be examined during a future inspection (50-361/83-18-01).

No items of noncompliance or deviations were identified.

### 4. Observation of Maintenance

The inspector observed ultrasonic testing of the studs for Unit 3 reactor coolant pump number 2. This testing was being performed in response to IE Bulletin 82-02. The testing, controlled by work order 25393, was being performed by Combustion Engineering personnel in accordance with document number 9976-ISI-068, "Ultrasonic Testing Procedure for Reactor Coolant Pump Studs." The inspector observed the test being performed on stud numbers 5 and 6. The procedure was being followed, and the personnel performing the work were knowledgeable of the procedure requirements and the ultrasonic testing equipment operation. The inspector reviewed the equipment control document (No. 3-06005), in the control room, which specified the Unit 3 reactor coolant pump breakers be racked out and tagged.

No items of noncompliance or deviations were identified.

5. Exit Meeting

On April 8, 1983, the inspector met with the licensee representatives denoted in paragraph 1 and discussed the scope and findings of the inspection. The inspector's perceived weaknesses in the maintenance program were acknowledged by the licensee, as noted in paragraphs 2 and 3.