

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

REGION V

Report No. 50-312/81-30

Docket No. 50-312 License No. DPR-54 Safeguards Group _____

Licensee: Sacramento Municipal Utility District

P. O. Box 15830

Sacramento, California 95813

Facility Name: Rancho Seco

Inspection at: Herald, California (Rancho Seco Site)

Inspection conducted: September 29 - October 1, 1981

Inspectors: G. Hernandez 10/16/81
G. Hernandez, Reactor Inspector Date Signed

Date Signed

Approved by: T. W. Bishop 10/22/81
T. W. Bishop, Chief, Reactor Projects Section 1 Date Signed
Reactor Construction Projects Branch

Summary:

Inspection on September 29 - October 1, 1981 (Report No. 50-312/81-30)

Areas Inspected: Routine unannounced inspection by a regional inspector of licensee activities related to plant modifications including: licensee action on previous inspection findings; review of construction and implementing procedures; and observation of concrete placement activities for the Nuclear Service Electrical Building basemat.

The inspection involved 22 inspector-hours onsite by one inspector.

Results: No items of noncompliance or deviations were identified.

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DETAILS

1. Persons Contacted

a. Sacramento Municipal Utility District (SMUD)

*R. J. Rodriguez, Manager Nuclear Operations
*R. Columbo, Technical Assistant
*L. G. Schwieger, Manager Quality Assurance
*V. C. Lewis, Onsite Generation Engineering Supervisor
W. J. Jurkovich, Generation Engineering Engineer
*T. E. Perry, Onsite Quality Assurance Supervisor
Q. L. Coleman, Quality Assurance Engineer
D. Dearman, Civil Field Engineer
T. L. Singer, Mechanical Field Engineer

b. Bechtel Power Corporation

C. Letellier, Quality Control Coordinator
H. Davis, Civil Inspector
E. Conley, Mechanical/Welding Inspector

c. U. S. Testing Company

H. L. Stevens, Site Supervisor

d. SMF Corporation

T. Twomey, Job Superintendent
H. Keltner, Construction Field Engineer

*Denotes those attending the exit interview on October 1, 1981.

2. Site Tour

The inspector toured the facility modifications upon arrival onsite, to observe in-process and completed work activities and to ascertain general compliance with regulatory requirements, codes, standards, and procedures. Activities examined included excavation, conduit and reinforcing steel installation, soil compaction and concrete pre-placement, and formwork activities for the Nuclear Service Electrical Building.

No items of noncompliance or deviations were identified.

3. Licensee Action on Previously Identified Inspection Items

- a. (Closed) Noncompliance (50-312/81-24/01): Failure to have quality assurance and quality control procedures reviewed and approved in accordance with contract requirements.

The licensee's response to the item of noncompliance was examined and the actions described in the response were verified.

On August 3, 1981 the licensee's quality assurance organization formally approved U. S. Testing's Quality Assurance Manual and Quality Control Procedures; and on August 11, 1981 the Engineering Inspection Instructions (EII's) were approved to be used in conjunction with and as a supplement to the Construction Inspection Data Reports (CIDR's).

This item is closed.

- b. (Closed) Followup Item (50-312/81-24/02): An individual identified by SMF Corporation as a Quality Assurance Engineer was in fact not performing a quality assurance function.

The licensee stated that per SMUD memorandum dated December 11, 1980, SMUD relieved SMF of all quality assurance responsibility during the construction of the Nuclear Service Electrical Building. Accordingly, the individual in question has had his title modified to reflect his actual duties.

This item is closed.

4. Structural Concrete

Observation of Work and Work Activities

Licensee activities related to the pre-placement and placement of the Nuclear Service Electrical Building basemat were observed. The observations included examination of embedments, form work, reinforcing steel, cleanliness, concrete cover, concrete free fall, concrete horizontal free flow, consolidation, and quality control inspection. The activities were observed for compliance to the pertinent contract drawing (No. C-508, Sheet 17, Revision 5.0), the construction inspection procedures, and the contract specification.

Field testing of concrete for the placement was performed by U. S. Testing Company personnel. The testing was observed by the inspector for compliance to the requirements of the applicable ACI, ASTM, and contract requirements. The testing observed included slump, air entrainment, and temperature measurements.

All activities observed were found to be in accordance with the requirements. No items of noncompliance or deviations were identified.

5. Management Interview

On October 1, 1981, the inspector met with licensee and engineering management personnel denoted in paragraph 1. The scope of the inspection, the observations, and the finding of the inspection were discussed.