



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION V

1450 MARIA LANE, SUITE 210
WALNUT CREEK, CALIFORNIA 94596

RSB

DEC 19 1984

Docket No. 50-528

MEMORANDUM FOR: H. Denton, Director, Nuclear Reactor Regulation

FROM: J. B. Martin, Regional Administrator

SUBJECT: LOW POWER OPERATION - PALO VERDE UNIT 1
ARIZONA PUBLIC SERVICE COMPANY

Based on the results of our inspection efforts, we have determined that Construction and Testing of the subject facility have been completed in substantial agreement with docketed commitments and regulatory requirements, with the exception of items identified in the enclosures. With the exception of noted items, we have completed our inspections in accordance with the requirements contained in MC 2500. Region V is not aware of any additional items which are required to be completed before power operation. The items identified in the enclosures have been categorized with recommended completion milestones.

As part of our inspection effort, we have reviewed the licensee's implementation of the Quality Assurance Program for Operations, and have found that it meets the requirements of 10 CFR 50, Appendix B.

John B. Martin
John B. Martin
Regional Administrator

Enclosure:

- A. Items to be Completed Before Loading Fuel
- B. Items to be Completed Before Initial Criticality

DESIGNATED ORIGINAL
Certified By *Del Noack*

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cc w/enclosures:

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ENCLOSURE A

ITEMS TO BE COMPLETED BEFORE LOADING FUEL

1. Surveillance Program

Prior to entering any operational mode for the first time, including initial fuel loading, APS shall:

- a. Have completed a review of the surveillance procedures applicable to the change of mode, and determined that the procedures demonstrate the operability of the required systems with respect to all acceptance criteria defined in the Technical Specifications.
- b. Have dispatched written certification to the NRC Regional Administrator, Region V, that the actions defined in (a), above, have been completed for the mode or modes to be entered.

2. The following items are to be completed prior to entering Mode 6:

- a. Modification and Retest of Fire Dampers (DER 84-56).
- b. Inspection and Repair of All Anchor Darling Swing Check Valves required for Mode 6 entry (DER 84-102).
- c. Complete All Safety-Related Rework Identified as a Result of the Reinspection of Instruments discussed in DER 84-27 and 84-21.
- d. Certify that the Control Room Essential Air Handling Units and Fuel Building Air Handling Units are constructed to the Seismic Design Criteria.
- e. Complete all cable tray longitudinal brace weld repairs described in NCR EJ-4628 to ensure that seismic design criteria for cable trays are met.
- f. Install correct pipe plugs as described in Construction Deficiency Report (DER 84-48) on NAMCO limit switches to ensure operable control room valve position indication.

ENCLOSURE B

ITEMS TO BE COMPLETED BEFORE INITIAL CRITICALITY

1. Training On Radiation Monitoring System

Prior to initial criticality (Mode 2) all licensed operators will be trained on and be capable of using the Radiation Monitoring System computer and the revised alarm response procedure for all reactor conditions. All licensed operators shall be capable of obtaining radiation readings and trends from any of the Radiation Monitoring System detectors, be able to respond to unusual conditions in accordance with the revised alarm response procedure 4ALISQ01, Rev. 0, including PCN-1, and make notifications in accordance with the Emergency Plan Implementing Procedure.

2. Shock Suppressors (Snubbers)

The licensee shall replace all damaged size #1/4 and #1/2 pipe shock suppressors (Snubbers) and install low friction slide plates in critical positions located in the Chemical and Volume Control System, the Main Steam Supply System, and the Auxiliary Feedwater System (as indicated in Construction Deficiency Report DER 84-64) prior to initial entry into Mode 4.

3. Anchor/Darling Swing Check Valves

The licensee shall inspect and repair all Anchor/Darling swing check valves for missing tack welds and loose set screws as described in Construction Deficiency Report (DER 84-102) prior to initial entry into Mode 4.

4. Safety-Related Butterfly Valves

The licensee shall complete the retest of eight safety-related butterfly valves, indicated in Construction Deficiency Report (DER 84-54), prior to initial entry into Mode 4.

5. Rosemount Transmitters

The licensee shall ensure that the Unit 1 safety-related Rosemount transmitters which are subject to the leaking threaded connections reported in Construction Deficiency Report (DER 84-77) are fully operable prior to initial entry into Mode 4.

Note to NRR: Mode 4 (Hot Shutdown) was selected by the licensee. Correction prior to initial criticality alternately appears reasonable.

6. Piping Penetrations (MSSS)

The licensee shall seal all unsealed piping penetrations at Elevation 100 feet in the Main Steam Support Structure (MSSS) floor slab which connect the Auxiliary Feedwater Pump Rooms below Elevation 100 feet with the

upper part of the MSSS above elevation 100 feet prior to initial entry into Mode 4.

7. Diesel Generator Roof Hatch

The licensee shall implement design changes to the Unit 1 Diesel Generator roof hatches as described in Construction Deficiency Report (DER 84-103) prior to entry to Mode 2 (initial criticality).

8. Threaded Fasteners Maintenance Procedures

The licensee shall develop and implement maintenance procedures for threaded fastener practices, including Reactor Coolant Pump Flanges, Steam Generator Manways, Pressurizer Manways, and Pressurizer Safety Valve Flanges, as discussed in IE Bulletin 82-02, prior to entering Mode 2 (initial criticality).

9. Radioactive Effluent Records

The licensee shall establish the capability to generate records suitable for permanent retention of the radioactive effluent concentrations recorded by the radiation monitoring system prior to initial entry into Mode 2.

10. Base Flange Resistors for Atmospheric Dump Valves

The licensee shall modify all base flange resistors for atmospheric dump valves as described in Construction Deficiency Report (DER 84-52) prior to initial entry into Mode 4.

11. Post Accident Sampling System

Region V understands that NRR will issue a license condition to specifically address the Post Accident Sampling System.