

U. S. NUCLEAR REGULATORY COMMISSION

REGION V

Report No. 50-528/82-22

Docket No. 50-528 License No. CPPR-141 Safeguards Group _____

Licensee: Arizona Public Service Co.

P. O. Box 21666

Phoenix, Arizona 85036

Facility Name: Palo Verde Nuclear Generating Station - Unit 1

Inspection at: Palo Verde Site, Wintersburg, Arizona

Inspection conducted: July 17 - August 20, 1982

Inspectors: _____

G. Fiorelli, Senior Resident Inspector _____ Date Signed

G. Johnston, Resident Inspector _____ Date Signed

_____ Date Signed

Approved by: _____ Date Signed

T. Young Jr. Chief,
Reactor Projects Section 2

_____ Date Signed

Summary:

Inspection on July 17 - August 20, 1982 (Report No. 50-528/82-22)

Areas Inspected: Routine resident inspection of start-up testing, training, maintenance, and start-up testing quality assurance. The inspection involved 214 inspector hours on-site by the resident inspectors.

Results: No items of noncompliance or deviations were identified.

DETAILS

1. Persons Contacted

a. Arizona Public Service Company (APS)

*G. C. Andognini, Electric Operations Vice President
W. B. McLane, Start-up Manager
G. Pankonin, Start-up Quality Assurance Manager
W. Craig, Startup Quality Assurance Supervisor
B. Solakiewicz, Document Control Supervisor
D. N. Willsey, Technical Support Supervisor
P. Brandjes, Shift Test Group Supervisor

*Present at exit meeting.

2. Licensee Actions on Previously Identified Items:

a. Failure to Follow Procedure Noncompliance (82-09-02/closed)

The applicant's written response (June 10, 1982) to the item of noncompliance was reviewed and considered satisfactory. An audit of temporary modification tagging was performed and documented by the applicant.

3. Organization

APS has restructured a portion of its organization for the purpose of improving the effectiveness and timeliness of subsystem turnovers from Bechtel construction to APS. The reorganization realigns authorities and coordination responsibilities for system completion and open items resolution from the Start-up organization to the new Systems Completion group. The basic responsibility of this group includes the walkdown of systems to confirm completion and the project coordination of resources, efforts and priorities in the closeout or resolution of incomplete hardware items. This APS organization is headed up by an APS employed manager who reports through a Bechtel employed manager to the APS nuclear operations manager.

No items of noncompliance or deviations were noted.

4. APS Start-up Training

A start-up training program has been defined for APS start-up testing personnel. A schedule listing testing and administrative control topics has been developed. The start-up testing activities are being coordinated by two individuals from the start-up organization. Training records are being maintained by the APS start-up organization. A procedure discussing training and certification requirements has been issued and is consistent with FSAR commitments. A review of the record of

five individuals revealed that substantial work remains before training and background information is completely compiled and folders updated. APS training and start-up personnel are currently engaged in this activity. The individuals whose records were reviewed did have appropriate certifications on file.

No items of noncompliance or deviations were noted.

5. Maintenance

An in process review was made of the following maintenance work control packages:

- a. Reactor coolant valve 056 repairs
- b. Chemical and volume control valve 110 Q repairs

The work control authorizations, instructions, work histories and reviews were consistent with administrative control procedures. Component retesting was consistent with the maintenance performed. It was noted that a review of the completed work packages by quality assurance will be required.

The inspector reviewed a recent audit report issued by quality assurance that identified several maintenance program weaknesses. The report was distributed to appropriate management and staff personnel for review and action.

No items of noncompliance or deviations were identified.

6. Start-up Testing Quality Assurance

The start-up testing QA organization has been active since its reorganization. The organization is in place and start-up testing activities are being covered on all three working shifts. Many of the procedures required revisions because of the reorganization. Most have been written and are either in the review and approval status or have been issued. Authorities of this group not only cover stop work, which has been exercised in a few cases, but include procedure and change reviews as well as test result reviews.

No items of noncompliance or deviations were identified.

7. Facility Tours

The inspectors made numerous tours of the facility during the reporting period. On a weekly basis APS and Bechtel personnel accompanied the inspectors. The general level of housekeeping

has improved somewhat since the last inspection period. However, the inspectors have noticed that conditions in the containment building have occasionally regressed. The reason appears to be that activities associated with pressure tests of various systems has left mirror insulation stacked in many places. This and efforts to paint protective coatings on concrete floors has aggravated efforts to clean the areas. The accompanying personnel expressed that housekeeping could improve markedly after the painting and pressure tests are complete.

Other areas toured included the auxiliary building, radwaste building, and main steam support structure. The auxiliary feedwater pump rooms did have considerable debris in them associated with ongoing construction activity. They have subsequently been picked up. No spaces with associated safety related equipment appear to have excessive debris or dirt present.

8. Preoperational Testing

The inspector discussed with APS start-up personnel the progress of local leak rate testing of penetrations. So far eleven penetrations have undergone testing. Of those, five have passed and six have failed. The six failures are principally due to problems with valve seats; few appear to be due to debris in the lines. Test personnel have elected to use primarily the inflow measurement technique to avoid diurnal problems that can occur with the pressure decay method. This testing will be ongoing for some time in support for a projected containment integrated leak rate test in December this year.

The inspectors also examined records of periodic chemistry sampling. The systems involved were the reactor coolant system, and the refueling water tank. The shift test coordinator's log and clearance tag logs were also examined to verify conformance to procedures and completeness.

No items of noncompliance or deviations were identified.

9. Exit Meeting

A meeting was held on August 18, 1982, with Mr. G. C. Andognini Vice President of Electric Operations. The findings of the inspection were discussed. The inspectors were brought up to date on program matters under consideration by APS management.