

U. S. NUCLEAR REGULATORY COMMISSION

REGION V

Report No. 50-528/82-23

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: August 23 - September 17, 1982

Inspectors: Anthony D'Angelo for 9/22/82  
G. Fiorelli, Senior Resident Inspector Date Signed

Anthony D'Angelo for 9/22/82  
G. Johnston, Resident Inspector Date Signed

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Date Signed

Approved by: Anthony D'Angelo for 9/22/82  
T. Young, Chief, Reactor Projects Section 2 Date Signed

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Date Signed

Summary:

Inspection on August 23 - September 17, 1982 (Report No. 50-528/82-23)

Areas Inspected: Routine resident inspection of startup testing, document control, maintenance, startup quality assurance, system releases and organization. The inspection involved 114 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  
J. Allan, Technical Support Manager  
W. B. McLane, Startup Manager  
G. Pankonin, Startup Quality Assurance Manager  
W. Craig, Startup Quality Assurance Supervisor  
B. Solarkiewicz, Document Control Supervisor  
D. N. Willsey, Technical Support Supervisor  
P. Brandjes, Shift Test Group Supervisor  
W. Garret, Maintenance Control Supervisor  
P. Devine, Test Review Group Supervisor

#### b. Bechtel Corporation

W. Boone, Startup Engineer  
T. Quiggle, Engineering Group Supervisor

\*Present at exit meeting.

### 2. Organization

APS had modified a portion of its startup organization. The change involves the assignment of project test directors on shift who would have the authority to direct and expedite all testing and all test groups. In the past this total function was distributed among several disciplines and the shift test coordinators were limited only to the coordination of testing activities. This action was taken to improve testing productivity and efficiency. The Bechtel prerequisite test manager and the APS preoperational test manager are temporarily reporting to the Vice President of Electric Operations.

A new manager of Nuclear Operations, Mr. J. Bynum, has been selected by APS to fill the vacated position. His reporting date is expected to be mid-October. Mr. Bynum previously held the position of assistant plant manager at TVA's Browns Ferry nuclear plant.

No items of noncompliance or deviations were identified.

### 3. Startup Quality Assurance

The startup quality assurance/quality control (QA/QC) organization, with a staff of 23, is now in place and functioning. QC coverage is around the clock and key procedures have been written and are

being tested and used to control QA/QC activities. A review of the manual confirmed that significant controls, authorities, responsibilities, and training requirements have been defined. Some clarifications of controls were indicated by the inspector and these will be made in the future. Check sheets have been developed for use in QA/QC observations. Responsibility has been established in procedures for confirming that corrective actions have been taken on negative findings.

A review of surveillance check sheets indicated a variance in consistency of notations. This matter was known to the QC supervisor who has taken action to define the type and kind of notation that is needed to satisfy the intent of the surveillance procedure.

No items of noncompliance or deviations were identified.

4. Tours

Several tours were made of the plant with APS representatives. No housekeeping conditions were noted which would degrade equipment testability or operability, however, general cleanup in some areas of containment was warranted. Work involving welding was noted to be controlled to prevent accidental fires. Unauthorized maintenance or testing was not observed. Shift logs as well as control room operator and test coordinator logs were being maintained. The security staff in the Unit one auxiliary, control and containment buildings has increased significantly. Piping worked on by construction forces was noted to have the end openings covered.

No items of noncompliance or deviations were identified.

5. Maintenance

The inspector confirmed that controls were used during the maintenance work on two safety-related check valves in the containment spray system. The controls were noted to have been in accordance with procedures in that work control packages had been developed for the removal and reinstallation of the bonnets of both valves. The work orders and packages carried the proper approvals, instructions, technical references, and data. QC signoffs attesting to cleanliness and proper installation were observed to be documented. Formal clearances had been obtained from operations. Observation of the completed work did not reveal any problems. These valves had not as yet been preoperationally tested so that retest requirements were not necessary.

No items of noncompliance were identified.

6. Document Control

Major revisions to the document control system have been completed and document control activities are currently functioning. Changes included relocation to the Annex building which provides proper working and filing space, the combining of Bechtel and APS staff to implement record controls, and a major revision to the procedure which encompasses the control of records and procedures used by Bechtel as well as APS.

The inspector was able to obtain in a very timely manner records involving design changes, test procedures and system releases.

No items of noncompliance or deviations were identified.

7. System Releases

The new organizational unit responsible for the walkdown of plant systems is now functioning. Several systems have been inspected by the group and releases have been made to APS. A review of several release packages confirmed that specified documents, reviews, and acceptance approvals were included in the release packages as specified by the procedure. With minor exceptions the information appeared complete.

The release packages were filed in the document and drawing control center and were readily retrievable and appropriately controlled. Discussions with responsible staff confirmed that the packages were being reviewed for proper content and adherence to procedure as part of the release process to APS.

No items of noncompliance or deviations were identified.

8. Clearances and Tagging

The applicant's program for providing clearances of equipment and tagging were examined by the inspector to determine that compliance to procedures is in force. The inspector determined this by examining the clearance log to verify that all requisite documentation for a selection of tags found in the plant were complete. Documentation of a selection of clearances to be hung was examined to confirm that each package was complete prior to the tags being hung. In each case the needed information to safely hang the tag and assure that work could proceed was included in the clearance request. The inspector went out after the tags were hung in these instances to verify that they were indeed hung properly.

No items of noncompliance or deviations were identified.

9. Preoperational Testing

The inspector discussed with applicant personnel the progress of the preoperational testing program. At present the testing activity consists mostly of generic tests in support of system releases to APS.

Progress towards the next major milestone, the containment integrated leak rate test, is progressing generally on schedule to support a late December test. The major activity in support of the test is the type B and C tests of containment penetrations. Some delays have occurred in the testing, due to needed repairs of some valves, those repairs are principally lapping of valve seats.

No items of noncompliance or deviations were identified.

10. Exit Meeting

An exit meeting was held on September 15, 1982, with Mr. G. C. Andognini, Vice President of Electric Operations. The findings were discussed and the inspectors were updated on pertinent APS project planning.