

U. S. NUCLEAR REGULATORY COMMISSION

REGION III

Report No. 50-461/85-03(DRS)

Docket No. 50-461

License No. DPPR-137

Licensee: Illinois Power Company
500 South 27th Street
Decatur, IL 62525

Facility Name: Clinton Nuclear Power Station, Unit 1

Inspection At: Clinton Site, Clinton, IL

Inspection Conducted: January 7-11, 1985

Inspector: R. Hasse

1/17/85
Date

Approved By: F. Hawkins
F. Hawkins, Chief
Quality Assurance Programs Section

1/17/85
Date

Inspection Summary

Inspection on January 7-11, 1985 (Report No. 50-461/85-03(DRS))

Areas Inspected: Routine, unannounced inspection by a regional inspector of licensee action on previous inspection findings and the QA program for pre-operational testing activities. The inspection involved a total of 31 inspector-hours onsite by one inspector.

Results: No items of noncompliance or deviations were identified. Of the six previous findings reviewed, six were closed.

DETAILS

1. Persons Contacted

Illinois Power Company

- *W. Gerstner, Executive Vice President
- *D. Hall, Vice President
- *W. Connell, Manager, Quality Assurance
- *M. Hassebrock, Director, Quality Engineering and Verification
- *R. Campbell, Director, Quality Systems and Audits
- *F. Spangenberg, Director, Nuclear Licensing
- *J. Greene, Manager of Startup
- *J. Sprague, Station QA Specialist
- A. Mueller, Supervisor, Quality Technical Support

Baldwin Associates

J. Stivers, Supervisor, Procedures

USNRC

*P. Gwynn, Senior Resident Inspector

*Denotes those attending the exit interview on January 11, 1985.

Other personnel were contacted as a matter of routine during the inspection.

2. Action on Previous Inspection Findings

- a. (Closed) Open Item (461/82-18-02): Acceptability of work performed by Baldwin Associates, QC, QA, and Technical Support (TS) personnel due to possible use of unqualified program. The licensee has completed the review of certifications and recertification of inspection personnel and has completed reinspections where required. The inspector was satisfied that this item was adequately resolved.
- b. (Closed) Noncompliance (461/84-15-01): Failure to perform impact tests on lug material. The licensee performed a review of all large bore piping isometric drawings for ASME, Section III, Class 1 pipe. Four (4) piping spools were identified that had lugs fabricated from non-tested material. These lugs have been replaced with properly tested material. This item was reviewed with responsible engineering and QA personnel to ensure a full understanding of the code requirements. The inspector was satisfied that this item had been adequately dispositioned.
- c. (Closed) Noncompliance (461/84-17-01): Failure to follow up on delinquent responses to document transmittals. All delinquent responses have been resolved. Personnel changes have been made to increase management attention to this area and unnecessary distribution points

have been eliminated. The inspector was satisfied that this item had been resolved.

- d. (Closed) Open Item (461/84-17-02): Backlog of Baldwin Associates procedure change requests (PCR's). The backlog of PCR's has been eliminated. A procedure review board concept has been implemented to make the processing of PCR's more efficient. The inspector has no further questions in this area.
- e. (Closed) Open Item (461/84-17-03): Increasing backlog of open document exception lists (DEL's). A DEL is a compilation of deficiencies in a quality record package. The inspector reviewed the licensee tracking document for DEL status. The number of open DEL's has remained constant since mid-October 1984. Also, DEL closure activities have been consolidated under one supervisor to ensure coordination and improve efficiency. The inspector was satisfied that the activity was under adequate control and was being properly tracked.
- f. (Closed) Unresolved Item (461/84-21-01): Lack of licensee audits of preoperational testing activities during 1984. The inspector reviewed licensee audits of preoperational testing activities performed in May and November 1984. Of the four findings, three have been closed. Verification of corrective action for the fourth finding is scheduled for the end of February 1985. Two audits in this area are scheduled for 1985. The inspector was satisfied that the licensee was providing adequate audit coverage of preoperational testing activities.

3. Preoperational Testing Quality Assurance

This area was inspected, in part, during a previous inspection (Inspection Report No. 461/84-21(DRS)). The emphasis during this inspection was placed on surveillance planning for system turnover and preoperational tests, followup on surveillance findings, and licensee audits of preoperational testing activities.

a. Documents Reviewed

- . Corporate Nuclear Procedure (CNP) 3.02, "Corrective Action," Revision 2
- . CNP 3.03, "Nonconforming Material Report," Revision 4
- . CNP 3.06, "Management Corrective Action Program," Revision 3
- . QAP 110.02, "Quality Verification Plans," Revision 2
- . Clinton Power Station Startup Manual

b. Results of Inspection

A formal quality verification plan (QVP) is prepared by the quality engineering function for each preoperational or acceptance test. The term preoperational test is used for testing of safety-related systems and acceptance tests for testing of nonsafety-related systems. The QVP identifies each individual item requiring verification (e.g., physical measurement, proper performance of procedure steps, etc.); the applicable procedure, standard, or other reference document; the verification method; the group performing the verification; and the type of report to be issued to document the verification. Verification methods include surveillance, independent QC measurements, and QC witnessing. Witness and hold points are identified in the test procedures. Adequacy of program implementation is assessed by audits performed by the Quality Systems and Audit Group.

The inspector reviewed the QVP's for five acceptance tests and one preoperational test. Two of the acceptance tests had been completed. The QVP for the preoperational test was not complete. The inspector was satisfied that the QVP's were adequate and showed evidence of good planning. The completed acceptance tests indicated proper implementation of the QVP's.

The inspector also reviewed ten surveillance reports and actions taken relative to five surveillance findings. Eight of the surveillance reports and all of the surveillance findings reviewed involved system turnover and records transfer activities. The inspector was satisfied that system and records turnover activities were under adequate surveillance and the findings properly pursued.

The reports for the two licensee audits of preoperational activities, performed during 1984, were reviewed. These audits indicated satisfactory implementation of the preoperational QA program. Three of the four audit findings have been closed. Verification of completed corrective action on the fourth finding (failure to update drawings) was scheduled for February 1985. The licensee audits of preoperational testing activities are scheduled for 1985.

The inspector was satisfied that an adequate QA program had been established to cover preoperational activities and that the program was properly implemented.

No items of noncompliance or deviations were identified.

4. Exit Interview

The inspector met with licensee representatives (denoted in Paragraph 1) on January 11, 1985, and summarized the purpose, scope, and findings of the inspection.