

U. S. NUCLEAR REGULATORY COMMISSION

REGION III

Report No. 50-461/84-25 (DRP)

Docket No. 50-461

License No. CPPR-137

Licensee: Illinois Power Company
500 South 27th Street
Decatur, IL 62626

Facility Name: Clinton Power Station, Unit 1

Inspection At: Clinton Site, Clinton, IL

Inspection Conducted: August 27, 1984 through October 2, 1984

Inspectors: T. P. Gwynn

P. L. Hiland

Approved By: R. C. Knop, Chief
Reactor Projects Section 1C

10-17-84
Date

Inspection Summary

Inspection on August 27, 1984 through October 2, 1984 (Report No. 50-461/84-25(DRP))

Areas Inspected: Routine safety inspection by resident inspectors of construction and pre-operational testing activities including employee concerns, review of operator staff training and operating staff knowledge, independent inspection effort, preoperational test program implementation verification, structural steel welding (containment and other structures), and IP management changes. The inspection involved a total of 99 inspector-hours onsite by two resident inspectors, including 40 inspector-hours onsite during off-shifts.

Results: Of the six areas inspected, no items of noncompliance or deviation were identified.

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DETAILS

1. Personnel Contacted

Illinois Power Company (IP)

D. Antonelli, Supervisor - Plant Operations
G. Bell, Supervisor, Quality Review Program
*J. Brownell, QA Specialist
*R. Campbell, Director - Quality Systems and Audits
*W. Connell, Manager - Quality Assurance
J. Cook, Acting Plant Manager
W. Gerstner, Executive Vice-President
D. Glenn, Director - Safeteam
J. Greene, Manager - Startup
*D. Hall, Vice President, Nuclear
*E. Kant, Director - Nuclear Safety
*J. Loomis, Construction Manager
R. Morgenstern, Supervisor - Plant Services
J. Palchak, Supervisor - Plant Protection
J. Patten, Director - Nuclear Training
*R. Richey, Assistant Power Plant Manager - Maintenance
P. Ryan, Operations Training Development Specialist
F. Spangenberg, Director - Nuclear Licensing and Configuration
J. Sprague, QA Specialist
*L. Tucker, Director - Startup Testing
*D. Wilson, Licensing Supervisor (Acting)
R. Wyatt, Director - Planning, Programming, and Scheduling

Baldwin Associates (BA)

*L. Osborne, Manager - Quality and Technical Services
*E. Rosol, Deputy Project Manager

Basic Energy Technology Associates

*R. Bass, Associate

*Denotes those attending the monthly exit meeting.

The inspectors also contacted others of the construction project and operations staffs.

2. Employee Concerns

The resident inspectors reviewed concerns expressed by site personnel from time to time throughout the inspection period. Those concerns related to regulated activities were documented by the inspectors and submitted to Region III. Three concerns were transmitted to the regional office during this report period including two related to the Clinton plant and one related to a plant on the east coast.

3. Review of Operator Staff Training and Operating Staff Knowledge

A representative of the NRC Technical Training Center, Chattanooga, TN, performed a brief review of the current status and effectiveness of the training provided to the Clinton operating staff. This review included review of training materials available; interviews of plant operations supervisors and nuclear training department personnel; and interviews and plant walk-throughs with senior reactor operator (SRO) and reactor operator (RO) license candidates.

a. Personnel Interviewed

The following types and numbers of personnel were interviewed during the course of this review:

- (1) Plant Operations Supervisor (1)
- (2) SRO candidates (3)
- (3) RO candidates (2)
- (4) Nuclear Training Department personnel
- (5) Training contractor personnel

b. Training Materials Reviewed

- (1) License Review Course Outline, Topics, and Time Allotments
- (2) License Review Course Material Handouts for the Low Pressure Core Spray System

c. Results

Overall operating staff knowledge level was satisfactory with respect to the training provided to date. However, the level of knowledge of the operating staff needs to be increased, especially in the areas of Clinton technical specifications and Clinton operating procedures. The reviewer noted that these were among the topics included in the License Review Course.

The License Review Course scope appeared to be adequate to bring the licensed operator candidates to the level of knowledge required for licensing. However, the reviewer found that the Clinton plant system descriptions were not being maintained up to date. This matter was discussed with IP management who stated that system descriptions were not needed since lesson plans provided to each candidate were very detailed. The reviewer noted that the system descriptions were used in preparation of the lesson plans and that, apparently, the system descriptions were in current use by plant personnel for training purposes. This matter is open pending followup inspection by Region III to determine if the training materials in use for licensed operator training adequately reflect Clinton plant specific information (84-25-01).

No items of noncompliance or deviations were identified.

4. Independent Inspection Effort

a. Soil Erosion

The inspector toured the construction site proper in order to observe the present condition of the plant environs with respect to soil erosion. Ten photographs were taken representing typical areas observed. These photographs were forwarded to the NRC Licensing Project Manager, Clinton, for information. The inspector found that, with the exception of minor gullies, no significant erosion was present. The inspector did observe ongoing applicant activities related to site stabilization.

No items of noncompliance or deviations were identified.

b. Clinton Safeteam

The inspector met with Safeteam personnel to acquaint the inspector with the Clinton Safeteam program, scope, and current activities.

As described by the IP Director - Safeteam, the Clinton Safeteam conducts routine exit interviews of terminating employees, scheduled interviews of the project staff, and interviews on a drop-in basis for other project staff; determines through the interview process if the interviewee has concerns which should be addressed by the project; investigates concerns identified; attempts to achieve resolution of identified concerns; and responds to the concerned party by letter identifying the results of the safeteam investigation and corrective action taken, if required. These activities are undertaken by Safeteam while maintaining the confidentiality of the concerned party.

The inspector reviewed the status of currently open concerns being tracked and investigated by Safeteam. The inspector found that a large number of concerns had been identified but none had been finally resolved and responded to at the time of this review. The inspector requested that Safeteam notify the NRC resident inspector office when final responses were available for review. This is an open item (84-25-02).

The inspector questioned Safeteam concerning review of Safeteam concerns for reportability under 10 CFR 50.55(e) and 10 CFR 21. The Director - Safeteam stated that the responsibility for reportability reviews of Safeteam identified concerns rested with IP-QA and that all such concerns were reviewed by IP-QA for reportability.

No items of noncompliance or deviations were identified.

5. Preoperational Test Program Implementation Verification

At periodic intervals during the report period, surveillance tours of areas of the site were performed. These surveillances were intended to assess: cleanliness of the site; storage and maintenance conditions of equipment and material being used in site construction; potential for fire or other hazards

which might have a deleterious effect on personnel or equipment; and to witness construction and testing activities in progress. Only limited testing activities were observed during the report period. In general, the storage and maintenance of safety-related material and equipment was acceptable throughout the laydown areas and the power block. However, it was noted and brought to the applicant's attention that certain areas of the Power Block require increased attention to housekeeping. Specifically, this included the less frequently traveled areas where little or no construction activities are in progress and the hard-to-get-at spaces (i.e., cable trays, behind instrument racks, etc.). IP has increased the housekeeping effort to include these areas.

No items of noncompliance or deviation were identified.

6. Structural Steel Welding (Containment and Other Structures)

During the reporting period, the resident inspector observed general welding activities associated with structural attachments in the Auxiliary and Containment Building. For the welding examined, the following activities were observed:

- a. Protection of nearby electrical cable was satisfactory.
- b. Electrode control and handling was satisfactory.

No items of noncompliance or deviation were identified.

7. IP Management Changes

Several significant changes were made in the IP organization during this report period.

- a. The Assistant Power Plant Manager - Startup position was upgraded to Manager - Startup. Mr. Jon Greene is the Manager - Startup and reports directly to the Vice President - Nuclear.
- b. The Director - Nuclear Support was replaced. Mr. K. R. Graf is the Director - Nuclear Support.
- c. The Director - Nuclear Licensing and Configuration was replaced. Mr. F. A. Spangenberg is the Director - Nuclear Licensing and Configuration.

8. Exit Meetings

The inspectors met with applicant representatives (denoted in Paragraph 1) throughout the inspection and at the conclusion of the inspection on October 2, 1984. The inspectors summarized the scope and findings of the inspection activities.

The inspectors attended exit meetings held between Region III based inspectors and the applicant as follows:

<u>Inspector</u>	<u>Date</u>
D. Keating	9-19 84
J. Norton	9-21-84
R. Paul	9-27-84