

U.S. NUCLEAR REGULATORY COMMISSION  
OFFICE OF INSPECTION AND ENFORCEMENT

REGION III

Report No. 50-461/80-20

Docket No. 50-461

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

Facility Name: Clinton Power Station, Unit 1

Inspection At: Clinton Site, Clinton, IL

Inspection Conducted: September 2, 22-30, 1980

Inspector: *H. H. Livermore*  
H. H. Livermore

Approved By: *R. G. Knop*  
R. G. Knop, Chief  
Projects Section 1

Inspection Summary

Inspection on September 2, 22-30, 1980 (Report No. 50-461/80-20)

Areas Inspected: Routine inspection by the IE Regional Resident Inspector (SRI) of safety related construction activities including containment liner activities. This inspection involved 19 inspector hours by one NRC resident inspector.

Results: Of the areas inspected, one item of noncompliance was identified.

8011250 286

## DETAILS

### Persons Contacted

#### Principal Licensee Employees

- G. M. Brashear, Site Manager, Clinton
- \* R. J. Canfield, Director-Construction
- A. J. Budnick, Director-QA
- E. E. Connon, Assistant Director-Construction
- L. W. Dozier, Assistant Director-Construction
- \* D. E. Korneman, Construction
- \* J. F. Hampton, Supervisor-QA
- R. W. Folck, QA Specialist
- \* J. S. Spencer, Director-Engineering
- R. Backen, QA Specialist
- M. Tindill, QA Engineer
- R. Becker, QA Consultant
- L. J. Koch, Vice President
- J. McHood, Vice President
- J. Geier, Manager-General Engineering
- J. McCormick, Civil Engineer
- \* F. Schwarz, Civil/Structural
- J. R. Hudson, ANI
- M. J. King, ANI

#### Baldwin Associates

- \* J. R. Smart, QA Manager
- R. Selva, Manager, Quality and Technical Services
- J. Linehan, QC Manager
- W. H. Harrington, Project Manager
- \* J. E. Findley, Project Engineer
- T. F. Walker, Senior Quality Control
- R. D. Bennett, Manager, Technical Services
- G. Lane, Electrical, QC
- \* T. G. Yearick, Assistant to Manager
- C. E. Winfrey, QC
- W. O'Brien, QC Piping
- H. R. Swift, Assistant Project Engr.
- \* D. H. Smither, Assistant Project Manager

#### General Electric Company

S. G. Hall, Quality Control

- \* Denotes those present at the exit interview.

## Functional or Program Areas Inspected

### 1. Site Tours

At periodic intervals during the report period, tours of areas of the site were performed. These tours were intended to assess the cleanliness of the site; storage conditions of equipment and piping being used in site construction; the potential for fire or other hazards which might have a deleterious effect on personnel and equipment, and to witness construction activities in progress.

Item of noncompliance is discussed in paragraph 2.

### 2. Welding of Attachments to Containment and Drywell Wall Liners

The resident inspector's report of Clinton activities of August, 1980 (50-461/80-17) noted this subject as part of Unresolved Item (80-17-03). This subject has been upgraded to a noncompliance-infraction.

During the sequence of construction inside containment, Baldwin Associates has welded numerous temporary attachments (approx. 2,000) such as brackets, gussets and plates to the safety related steel liners on the drywell wall and primary containment wall. These weldments are located randomly from the 737' level to the top of containment and around the complete periphery 0° to 360°. The subject weldments were made without the controls afforded safety related components. Traveler documentation was not used, nor were QC Inspection or NDE performed or recorded.

The inspector notes that the licensee has taken corrective action with a stop work in the subject area and is systematically identifying the location and status of the subject weldments and associated corrective action to be taken.

This item is considered in noncompliance with 10 CFR 50 Appendix B, Criterion IX; Clinton PSAR para. 17.1.9.5, and 3.13.3.4.4; Baldwin QA Manual Sect. 9.4; and Baldwin Technical Services Manual BTS 405, Sect. 9.1 and BTS 406.

### 3. Storage of Reactor Vessel Head, Steam Drier, and Steam Separator Shroud

The inspector performed a visual surveillance of the subject items. The steam drier assembly was stored in a locked, galvanized metal silo which affords basic weather protection. The unit was covered with poly sheeting, and appeared free of debris, dirt, water, etc. The vessel head was stored in a locked metal containment providing basic weather (elements) protection. The storage area was clear of debris, etc., and the vessel head was blocked off the floor. The separator/shroud was stored outside, off the ground, in its shipping box covered with poly material. The box appeared to be weather tight.

No items of noncompliance or deviation were identified.

### Exit Interview

The Resident Inspector met with licensee representatives (denoted under Persons Contacted) on September 30, and October 3, 1980. The inspector summarized the scope and findings of the inspection effort to date. The licensee acknowledged the findings reported herein.

Attachments: Preliminary Inspection Findings

PRELIMINARY INSPECTION FINDINGS

1. LICENSEE

III Power  
Clinton

2. REGIONAL OFFICE

III  
Resident

3. DOCKET NUMBERS

50-461

4. LICENSE NUMBERS

CPPR-137

5. DATE OF INSPECTION

7/22 - 9/24/80

☒ 6. Within the scope of the inspection, no items of noncompliance or deviation were found.

☐ 7. The following matters are preliminary inspection findings:

☐ 8. These preliminary inspection findings will be reviewed by NRC Supervision/Management at the Region III Office and they will correspond with you concerning any enforcement action.

*H. L. Lunn*  
Nuclear Regulatory Commission Inspector

9/30/80

PRELIMINARY INSPECTION FINDINGS

1. LICENSEE

Illinois Power

2. REGIONAL OFFICE

III - Resident

3. DOCKET NUMBERS

50-461

4. LICENSE NUMBERS

5. DATE OF INSPECTION

9/29 - 10/3/80

☐ 6. Within the scope of the inspection, no items of noncompliance or deviation were found.

☒ 7. The following matters are preliminary inspection findings:

Welding of Attachments to Containment and Drywell Wall Liners

The resident inspector's report of Clinton activities of August, 1980 (50-461/80-17) noted this subject as part of Unresolved Item (80-17-03). This subject has been upgraded to a noncompliance-infracton. During the sequence of construction inside containment, Baldwin Associates has welded numerous temporary attachments (approx. 2,000) such as brackets, gussets, and plates to the safety related steel liners on the drywell wall and primary containment wall. These weldments are located randomly from the 737' level to the top of containment and around the complete periphery 0° to 360°. The subject weldments were made without the controls afforded safety related components. Traveler documentation was not used, nor were QC Inspection or NDE performed or recorded.

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☒ 8. These preliminary inspection findings will be reviewed by NRC Supervision/Management at the Region III Office and they will correspond with you concerning any enforcement action.

*HH Livermore*

Nuclear Regulatory Commission Inspector

10-3-80