

U. S. NUCLEAR REGULATORY COMMISSION

REGION III

Report No. 50-461/85034(DRS)

Docket No. 50-461

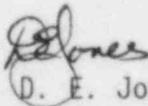
License No. CPPR-137

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

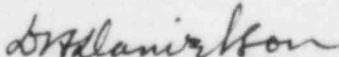
Facility Name: Clinton Power Station, Unit 1

Inspection At: Clinton Site, Clinton, IL

Inspection Conducted: June 18-20, August 22-23, 27 and September 12, 1985

Inspector: 
D. E. Jones

10/1/85
Date

Approved By: 
D. H. Danielson, Chief
Materials and Processes Section

10/1/85
Date

Inspection Summary

Inspection on June 18-20, August 22-23, 27 and September 12, 1985
(Report No. 50-461/85034(DRS))

Areas Inspected: Routine unannounced inspection of licensee action on IE Bulletins; visual examination (VT) of reactor coolant loop piping welds; quality records on reactor coolant loop piping welds; special welding applications on reactor coolant loop piping; visual examination (VT) of other safety-related piping; quality records on other safety-related piping welds; and special welding applications on other safety-related piping. This inspection involved a total of 35 inspector-hours onsite by one NRC Inspector.
Results: No violations or deviations were identified.

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DETAILS

1. Persons Contacted

Illinois Power Company (IP)

- *D. P. Hall, Vice President
- *J. E. Loomis, Construction Manager
- *H. R. Lane, Director Design Engineering
- *H. E. Daniels, Jr., Project Manager
- *D. W. Wilson, Supervisor-Licensing Administration
- *J. W. Wilson, Power Plant Manager
- *J. H. Greene, Startup Manager
- *R. E. Campbell, Director-QS&A
- *R. W. Green, Manger Q&TS
- *K. A. Baker, Project Engineer-Licensing

The inspector also contacted and interviewed other licensee and contractor employees.

*Denotes those present at the exit meeting.

2. Licensee Actions on IE Bulletins

(Closed) IE Bulletin (461/83-06-BB): IE Bulletin 83-06, "Nonconforming Materials Supplied by Tube-Line Corporation." The inspector reviewed the licensee's final response dated June 11, 1985. IP identified all Tube-Line materials supplied to Clinton Power Station. The Tube-Line material installed in ASME or safety-related systems was either analyzed and found acceptable for use in the safety-related application or replaced. A "Potentially Unacceptable Materials Log" has been established by the licensee to assure that any material purchased and not yet accounted for is detected and reported as an NCR. This item is considered closed.

3. Reactor Coolant Loop Piping-Visual Examination of Welds

The NRC inspector visually examined the following recirculation loop piping field welds for conformance to applicable codes, standards, specifications, and welding procedure requirements:

Loop A (B33G001A)

- Weld Nos. A3, A4, A5, A6, A7, A8

Loop B (B33G001B)

- Weld Nos. B3, B4, B5, B6, B7, B8, B11

The NRC inspector also reviewed quality records, including travelers, NCRs, and welding and NDE reports on the following welds:

Loop A (B33G001A)

- Weld Nos. A4, A5, A7, A8

Loop B (B33G001B)

- Weld Nos. B4, B19

The NRC inspector determined that the specified inspections were completed, weld history records were satisfactory, and that the records reflected adequate weld quality.

During the visual examination, weld splatter (Weld Nos. A7 and B7), rust (Weld Nos. B4, B6 and B8), and hammer marks (Weld No. A8) were noted by the NRC inspector. As a result, IP issued Condition Report No. 1-85-09-041 to evaluate the severity of the weld splatter, rust and hammer marks.

This is an unresolved item pending NRC review of the IP evaluation. (461/85034-01)

No violations, deviations or unresolved items other than those discussed above were identified.

4. Reactor Coolant Loop Piping - Special Welding Applications

The NRC inspector reviewed weld repair records, including travelers and NDE reports, on the following reactor coolant loop piping field welds:

Loop B (B33G001B)

- Weld No. B19 - Linear indication found by P.T. removed by minor buffing
- Weld No. B4 - Defect found by P.T. removed by minor buffing.

The NRC inspector determined that the weld repairs were conducted in accordance with the applicable requirements and specified procedures. The inspector also reviewed the NDE records and found them to be acceptable.

No violations or deviations were identified.

5. Other Safety-Related Piping - Visual Examination of Welds

The NRC inspector visually examined the following safety-related piping field welds for conformance to applicable codes, standards, specifications, and welding procedure requirements:

Feedwater (FW) Piping

- Weld Nos. 1-FW-1-2, 1-FW-1-3, 1-FW-1-5, 1-FW-2-2

High Pressure Core Spray (HP) Piping

- Weld Nos. 1-HP-5-5, 1-HP-5-4, 1-HP-5-3

Reactor Water Cleanup (RT) Piping

- Weld Nos. 1-RT-4-A, 1-RT-4-4-2Q1, 1-RT-4-6

The NRC inspector also reviewed quality records, including travelers, NCRs, welding and NDE reports on the following welds:

High Pressure Core Spray (HP) Piping

- Weld Nos. 1-HP-5-6, 1-HP-5-7

Feedwater (FW) Piping

- Weld Nos. 1-FW-1-4, 1-FW-2-3, 1-FW-2-4

The NRC inspector determined that the specified inspections were completed, weld history records were satisfactory and that the records reflected adequate weld quality.

No violations or deviations were identified.

6. Other Safety-Related Piping - Special Welding Applications

The NRC inspector reviewed weld repair records, including travelers and NDE reports, on the following safety-related piping field welds:

High Pressure Core Spray (HP) Piping

- Weld No. 1-HP-5-6 Weld repair consisted of grinding and additional welding to fill gouge areas.
- Weld No. 1-HP-5-7 W2 Q-1 Weld repair consisted of welding/grinding to fill gouge area.

Feedwater (FW) Piping

- Weld No. 1-FW-1-7-Q1 Weld repair consisted of additional welding to fill gouge area.

The NRC inspector determined that the weld repairs were conducted in accordance with the applicable requirements and specified procedures. The inspector also reviewed the welding procedures used for the weld repairs, qualification of the procedures, NDE records and certification of welders and found them to be acceptable.

No violations or deviations were identified.

7. Unresolved Items

An unresolved item is a matter about which more information is required to ascertain whether it is an acceptable item, an open item, a deviation, or a violation. An unresolved item disclosed during this inspection is discussed in Paragraph 3.

8. Exit Interview

The NRC inspector met with the licensee representatives (denoted in Paragraph 1) at the conclusion of the inspection on September 12, 1985. The inspector summarized the purpose and findings of the inspection. The licensee representatives acknowledged this information. The inspector also discussed the likely informational content of the inspection report with regard to documents or processes reviewed during the inspection. The licensee representatives did not identify any such documents/processes as proprietary.