

U.S. NUCLEAR REGULATORY COMMISSION

REGION III

Reports No. 50-454/83-01(DETP); 50-455/83-01(DETP)

Docket No. 50-454; 50-455

License No. CPPR-130; CPPR-131

Licensee: Commonwealth Edison Company
Post Office Box 767
Chicago, IL 60690

Facility Name: Byron Station, Units 1 and 2

Inspection At: Byron Site, Byron, IL

Inspection Conducted: January 12-14, 1983

Inspector: *D. H. Danielson*
K. D. Ward

1/25/83

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

1/25/83

Inspection Summary

Inspection on January 12-14, 1983 (Reports No. 50-454/83-01(DETP); 50-455/83-01(DETP))

Areas Inspected: Review of preservice inspection (PSI) procedures, work activities, nondestructive examination (NDE) personnel certifications and data; previous inspection findings; 10 CFR 50.55(e) items; IE Bulletin No. 79-17 and Revision 1; ultrasonic examination of pipe welds. The inspection involved a total of 19 inspector-hours onsite by one NRC inspector.

Results: No items of noncompliance or deviations were identified.

DETAILS

Persons Contacted

Commonwealth Edison Company (CECo)

*K. Hansing, QA Supervisor
*J. Porter, Project Construction Staff Assistant
*R. Westberg, QA Engineer
*W. Wolber, QA Inspector
*M. Lohmann, PCD
R. Tuetken, Assistant Project Superintendent

Ebasco Services Incorporated (Ebasco)

R. Manganello, PSI Site Supervisor
P. Otto, QA Representative
T. Pedersen, Senior NDE Technician

Hartford Steam Boiler Engineering and Insurance Company

J. Mislevy, ANII

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

*Denotes those attending the exit interview.

Licensee Action on Previous Inspection Findings

(Open) Noncompliance (454/82-01-01): Radiographs that had penetrameters in the welds. To date the NRC has not received the CECo final response. The following was presented for the inspectors review: "Code Case 1914 for Alternate Penetrameter Placement."

Inquiry

Is it permissible to place penetrameters on the weld in lieu of or in addition to the penetrameters placed adjacent to the weld as required by T-263.1(a) of Section V?

Reply

It is the opinion of the Committee that the penetrameter placement described in the inquiry is permitted, provided the penetrameter identifying numbers and shims (if used) are not placed on the weld metal.

(Closed) Unresolved Item (454/80-24-02): Weld history and QC records are at CB&I and were not available on site for review. The welding history and QC records are on site and were reviewed by the inspector. This item is considered closed.

(Closed) Open Item (454/82-05-14; 455/82-04-14): Procedures did not include actual weld rod issue and return times. The inspector reviewed the revised procedure, "Arc Welding Electrode Control, No. 13A0, Revision 5," and the actual weld rod issue and return times are included. This item is considered closed.

Licensee Action on 10 CFR 50.55(e) Items

(Closed) 50.55(e) (454/80-02-EE; 455/80-02-EE): Motor operated valve failure to close. Date reported November 6, 1980. Final report December 2, 1980. The inspector reviewed the final report. On July 24, 1981, CECO submitted another response of deficient gate valves which expanded to include 6", 8", 12" and 14" valves and 3" and 4" low pressure valves. This item then became 50.55(e) No. 81-03 for both Units.

(Closed) 50.55(e) 454/81-03-EE; 455/81-03-EE): W Division Gate Valves, 1500 lb. Class 3-18 inches, failed to close on high Delta P. Date reported June 18, 1981, final report March 25, 1982. The inspector reviewed the final response and the specific modifications that were made. The inspector considers this item closed.

Licensee Action on IE Bulletin No. 79-17, Revision 1

(Closed) IE Bulletin No. 79-17, Revision 1 titled, "Pipe Cracks in Stagnant Borated Water Systems at PWR Plants." Sent for information only. The inspector verified that the licensee management received the IE Bulletin and that it was reviewed for applicability.

Functional or Program Areas Inspected

1. Preservice Inspection

a. General

Reference: NRC Report No. 50-454/81-05; 50-455/81-05, PSI
NRC Report No. 50-454/82-01; 50-455/82-01, PSI
NRC Report No. 50-454/82-09; 50-455/82-06, PSI

b. Procedure, Material and Equipment Certification

The inspector reviewed the following procedure and certification documents relative to material and equipment.

- . Ebasco, Liquid Penetrant Examination, ISI-PT-S78-1, Revision 1
- . Ultrasonic instruments, calibration blocks, transducers and couplant
- . Liquid penetrant, Magnaflux materials, penetrant, cleaner and developer
- . Magnetic particle, Magnaflux materials and equipment

c. NDE Personnel Certifications and Observation of Work Activities

The inspector reviewed several NDE personnel certifications in accordance with SNT-TC-1A, 1975 Edition and observed ultrasonic examinations on pipe welds No. 1RY01AB-4"-8, No. 1RY01AB-4"-9, No. 1RY01AB-4"-10 and No. 1RY01AB-4"-11. These observations included calibrations and documentation for Unit 1.

d. Review of Data Reports and Audits

The inspector reviewed data reports and a CECO QA audit of Ebasco preservice inspections, dated August 4, 1982.

No items of noncompliance or deviations were identified.

2. Ultrasonic Examination (UT) Verification

The inspector ultrasonically examined (using a NRC ultrasonic instrument) the following welds in accordance with Ebasco Procedure ISI-UT-S78-1, Addendum 1, Revision 1. These welds had previously been UT'd by Ebasco for preservice inspection.

<u>System</u>	<u>Weld No.</u>	<u>Diameter</u>	<u>Thickness</u>
1RH01AA-12"	J28	12	1.08"
1RH01AA-12"	J30	12	1.08"
1RH01AA-12"	J31	12	1.08"
1SI04D-8"	J1	8	0.93"
1SI04C-8"	J2	8	0.93"
1SI04C-8"	J1	8	0.93"

No items of noncompliance or deviations were identified.

Exit Interview

The inspector met with site representatives (denoted in Persons Contacted paragraph) at the conclusion of the inspection. The inspector summarized the scope and findings of the inspection noted in this report.