

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

IE Inspection Report No: 50-219/75-06

Docket No: 50-219

Licensee: Jersey Central Power and Light

License No: DPR-16

Madison Avenue at Punch Bowl Road

Priority: -

Morristown, New Jersey 07960

Category: C

Location: Forked River, New Jersey (Oyster Creek)

Safeguards Group: -

Type of Licensee: BWR MW(e) 640

Type of Inspection: Announced, Special

Dates of Inspection: February 6-8, 1975

Dates of Previous Inspection: February 2-5, 1975

Reporting Inspector: G. A. Walton
G. A. Walton, Reactor Inspector

2/19/75
Date

Accompanying Inspectors: NONE

Date

Date

Date

Date

Other Accompanying Personnel: NONE

Date

Reviewed By: R. C. Haynes
R. C. Haynes, Senior Reactor Inspector

2/20/75
Date

9/8/87

DETAILS

1. Persons Contacted

Jersey Central Power and Light Company

J. Carroll, Plant Superintendent
R. Duke, Quality Assurance
D. Gaines, Quality Assurance

Universal Test Laboratories

M. Kozak, Level III Inspector
N. Goodenough, NDE Technician
J. Goodenough, NDE Technician

Hartford Steam Boiler Inspection and Insurance Company

K. Russell, Jr., Authorized Inspector

2. Nondestructive Examination Program and Examination Results

The inspector audited the following activities associated with ultrasonic examinations of selected circumferential pipe welds which were performed by the licensee's inspection contractor.

a. Qualifications of Test Personnel

The inspector's review consisted of direct observation of test personnel performing ultrasonic examinations on certain core spray piping welds. In addition, the inspector reviewed the training records and levels of qualifications for test personnel.

b. Scope of Inspection Activities

The inspector audited the licensee's scope of inspection activities for compliance with Inspection and Enforcement Bulletin No. 75-01. The inspection consisted of volumetric examination of selected pipe welds in the core spray, reactor recirculation, emergency condenser steam supply, CRD hydraulic return, shutdown cooling return and reactor clean-up systems.

SUMMARY OF FINDINGS

Enforcement Action

None

Licensee Action on Previously Identified Enforcement Items

Not Inspected

Design Changes

Not Inspected

Unusual Occurrences

None

Other Significant Findings

A. Current Findings

1. Acceptable Areas

- a. The inspector audited the licensee's program for the ultrasonic examinations of circumferential pipe welds conducted in response to Inspection and Enforcement Bulletin No. 75-01. (Details, Paragraph 2)

2. Unresolved Items

None Identified

B. Status of Previous Unresolved Items

Not Inspected

Management Interview

A management interview was held at the site on February 8.

Persons Present

Mr. J. Carroll, Plant Superintendent
Mr. R. Duke, Quality Assurance
Mr. D. Gaines, Quality Assurance

In addition, Mr. D. Ross, Manager of Nuclear Generating Stations, participated in the meeting by telephone.

Items Discussed

The inspector stated that this inspection was limited to an audit of the licensee's program for ultrasonic examination of selected pipe welds in response to Inspection and Enforcement Bulletin No. 75-01. The inspector also stated that he reviewed the personnel qualification records, the test procedure and test results and that he observed the performance of some ultrasonic examinations. The inspector stated that no noncompliances with Regulatory Requirements were identified.

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c. Procedural Requirements

The inspector reviewed NDE Procedure UT 75-01 entitled, "Contact Ultrasonic Inspection", dated February 6, 1975. The procedure was written by Universal Testing Laboratories, Inc. The procedure was approved by a Universal Testing Laboratories, Inc. employee who was qualified as a Level III, UT. The procedure was also approved by two quality assurance personnel of the Jersey Central Power and Light Company.

d. Recording of Data

The inspector reviewed the inspection contractor's methods for recording of ultrasonic indications. The data charts were found to be in compliance with Appendix I of the ASME B&PV Code, Section XI, 1974 Edition. The recording level for ultrasonic indications was set at $\geq 50\%$ amplitude of DAC.

e. Results of Examination

The inspector reviewed the ultrasonic examination data obtained by the licensee's inspection contractor on the inspected welds. One weld on the north side core spray system piping, identified as weld FW-5946A, caused ultrasonic test indications which required further evaluation by the licensee. The licensee performed a 100% radiography inspection on this weld and adjacent base material.

The licensee's review of the radiographs indicated the weld and base material were acceptable.