

U.S. ATOMIC ENERGY COMMISSION  
DIRECTORATE OF REGULATORY OPERATIONS  
REGION I

RO Inspection Report No.: 50-219/73-09

Docket No.: 50-219

Licensee: Jersey Central Power & Light Company

License No.: DPR-16

Madison Avenue at Punchbowl Road

Priority: \_\_\_\_\_

Morristown, N. J.

Category: C

Location: Oyster Creek, Forked River, N. J.

Type of Licensee: BWR, 1930 Mwt

Type of Inspection: Special Announced

Dates of Inspection: May 2, 1973

Dates of Previous Inspection: April 24, 1973

Reporting Inspector: *W. F. Sanders*

6/6/73  
Date

*for* W. F. Sanders, Reactor Inspector

Accompanying Inspectors: *R. T. Cantrell*

6/7/73  
Date

*for* F. S. Cantrell, Reactor Inspector

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date

Other Accompanying Personnel: None

\_\_\_\_\_  
Date

Reviewed by: *J. H. Tillou*

6/6/73  
Date

*for* J. H. Tillou, Senior Reactor Inspector

*D. L. Capton*

6/7/73  
Date

*for* D. L. Capton, Senior Reactor Inspector

SUMMARY FINDINGS

Enforcement Action

None

Licensee Action on Previously Identified Enforcement Items

None Inspected

Design Changes

None

Unusual Occurrences

None

Other Significant Findings

A. Current Findings

No defects identified in feedwater spargers.

B. Status of Previously Reported Unresolved Items

None Inspected

Management Interview

Persons Present

J. T. Carroll, Station Superintendent

F. S. Cantrell, RO:I

W. S. Sanders, RO:I

At the conclusion of the inspection, the following items were discussed:

- A. Inspection of the feedwater spargers for possible failure in the Welded Seams (Details, Paragraph 4)
- B. Inspection of the steam drier for possible weld separation in the weldment (Details, Paragraph 3)

No violations were identified.

## DETAILS

### 1. Persons Contacted

J. T. Carroll, Station Superintendent  
D. P. Reeves, Operation Supervisor  
D. P. Gaines, Engineer  
F. Kossatz, Maintenance Foreman

### 2. General

The Reactor Plant is shut down for refueling, miscellaneous repairs and in-service inspection.

### 3. Steam Dryer Inspection

The Upper Steam Dryer Assembly was submerged in the equipment storage pool and was inspected visually by using an underwater light to illuminate the weld seams.

These conditions would have made it possible to identify open weld metal separations with reasonable definition, however, tight cracks in the weld metal would not be visible by the above inspection techniques.

The inspection performed under the above conditions by both the licensee and the inspectors did not reveal any weld metal separations.

### 4. Feedwater Spargers Inspection

An inspection of the feedwater spargers had been performed by the licensee prior to May 2, 1973. The inspection was made using a Diamond Power Company underwater TV camera and recording the results on video tape.

The underwater camera is equipped with two heads. One head is straight and views from the bottom side of the camera. The other head views an area 90° from the straight head. This permits a view of the top inside corner, the top outside corner and the bottom inside corner of the box section of the sparger and the top periphery of the thermal sleeve weld.

The video tapes were reviewed by the inspector with a narration by the engineer in charge of the inspection. It was apparent that the scanning had been performed at a slow rate and was constantly adjusted for focus to provide good definition. The tapes had sufficient resolution to define grinding marks, scratches, metal stamping and small particles of adhering dirt.

Based on the preceding description of inspection conditions, no cracks were identified.