

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

REGION I

Report No. 50-219/80-02

Docket No. 50-219

License No. DPR-16 Priority -- Category C

Licensee: Jersey Central Power and Light Company

Madison Avenue at Punch Bowl Road

Morristown, New Jersey 07960

Facility Name: Oyster Creek, Unit 1

Inspection At: Forked River, New Jersey

Inspection Conducted: January 15-18, 1980

Inspectors: A. E. Finkel  
A. E. Finkel, Reactor Inspector

Feb 19, 1980  
date

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Approved by: S. D. Ebnetter  
S. D. Ebnetter, Chief, Engineering Support  
Section #2, RC&ES Branch

2/25/80  
date

Inspection Summary:

Inspection on January 15-18, 1980 (Report No. 50-219/80-02)

Areas Inspected: Routine, onsite, announced inspection by one region-based inspector (34 hours) of five modifications, onsite LER followup; and independent effort.

Noncompliances: No items of noncompliance were identified.

## DETAILS

### 1. Persons Contacted

\*J. Carroll, Station Manager  
T. Johnson, Supervisor Station I&E Maintenance  
J. Sullivan, Unit Superintendent

Other members of the technical, engineering, and operating staff were also contacted.

\*Present at exit interview.

### 2. Inspection Effort

During this inspection period the inspector witnessed the following work modifications performed by the licensee:

- Core Spray Inspection
- Auxiliary Bank #4, 5 and 6 Cable Replacement
- 4160 volt Switchgear Vault Modification
- Control Rod Drive modification
- MSIV Inspection and Removal

With the exception of the core spray crack problem, the above items were being removed, inspected and parts and material being replaced in accordance with procedures and quality control inspection requirements.

- Core Spray Sparger

The Core Spray Sparger crack problems had been identified by the licensee and an investigation to correct the problem is presently underway. While the inspector was onsite an air test was performed on the core spray sparger section of the pipe where the crack has been identified. No indication of air leakage was evident thus indicating that it appeared not to be a through wall crack. The depth of the crack was not measured during this inspection period but methods were being investigated in this area by the licensee. The licensee was also planning to inspect the rest of the core spray sparger to determine if they had any other cracks in the piping.

During inspection of the crack depth it was verified using ultrasonic test equipment that the crack in the core spray piping was through the wall.

This item has been identified by the licensee in Licensee Event Report (LER) 80/03-IT and will be examined during a subsequent inspection.

-- Auxiliary Bank #4, 5 and 6 Cable Replacement

The inspector examined work package C-31. This work package defined the method for removing and replacing the 4160 volt cable, the inspection criteria to be used during the cable removal and installation and the test required to verify installation acceptance. The inspector witnessed the cable removal from the transformers and cable trays in the transformer area.

-- 4160 volt Switchgear Vault Modification

The inspector examined work package C-23. This work package defined the construction documentation associated with the fire barrier installation. The inspector witness the installation of the steel beam supports and the steel plates mounted to the walls. The inspector examined the quality control installation records for the steel supports installed as of this inspection period.

-- Control Rod Drive (CRD) Modification

All CRD's being removed for modification and repairs were being made in accordance with the manufacturer's instructions.

Quality control inspection was in accordance with documentation instructions.

-- MSIV Inspection and Removal

The inspector reviewed the documentation associated with the removal and inspection of the MSIV's that were going to be reworked. While the inspector was onsite, the licensee was preparing to remove an MSIV in accordance with the released documentation. It was estimated that this task assigned to GCMD would continue throughout the outage.

No items of noncompliance were identified.

3. Licensee Event Reports (LERs)

Licensee event report 50-219/77-17-3L is closed. Modification C-31 Auxiliary Bank #4, 5 and 6 Cable Replacement corrected the fault condition. The inspector reviewed the JCP&L Inter-Office Memo dated March 16, 1978 entitled "5KV Cable Bus Ground Fault", Burns and Roe Specification 2299-28 and General Electric Specification SI-58065-WCD-110. The above documentation documented the problem, identified the design changes required to correct the problem and task C-31 implemented the changes to be made.

4. Exit Interview

At the conclusion of the inspection on January 18, 1980, a meeting was held at the Oyster Creek Unit 1 site with representatives of the licensee. Attendees at this meeting included personnel whose names are indicated by notation (\*) in Paragraph 1. The inspector summarized the results of the inspection as described in this report.