

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

Region I

Report No. 50-219/78-21

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: August 30/31, 1978

Inspectors: *L. Briggs*
L. Briggs, Reactor Inspector

9/15/78
date signed

date signed

date signed

Approved by: *E. C. McCabe, Jr.*
E. C. McCabe, Jr., Chief, Reactor
Projects Section No. 2, RO&NS Branch

9/18/78
date signed

Inspection Summary:

Inspection on August 30-31, 1978 (Report No. 50-219/78-21)

Areas Inspected: Routine, unannounced inspection by a regional based inspector of followups on selected IE Bulletins and Circulars; in office review of Monthly Statistical Reports; and a control room tour. The inspection involved 15 inspector-hours on site by one regional based inspector.

Results: No items of noncompliance were identified.

DETAILS

1. Persons Contacted

- J. Edelhauser, Engineer
- *J. Sullivan, Chief Engineer
- B. Watson, Health Physicist

The inspector also interviewed several other licensee employees during the course of the inspection, including Group Shift Supervisors, Control Room Operators, Auxiliary Operators, and Engineering Staff Personnel.

*denotes those present at the exit interview.

2. IE Bulletins and Circulars

a. Bulletins

Licensee actions concerning the following IE Bulletins were reviewed by the inspector to verify that the Bulletin was forwarded to appropriate onsite management, that a review for applicability was performed, information discussed in and licensee's reply was accurate, corrective action taken was as described in the reply, and that the reply was within the time period described in the Bulletin.

- IEB 78-01, Flammable Contact - Arm Retainers in GE CR120A Relays. The inspector reviewed the February 22, 1978 response to IEB 78-01, the Oyster Creek Master Relay Index and visually inspected, on a sampling basis, type CR120A relays. As stated in the licensee's response, several relays in the Control Room, a constantly manned area, are suspect. Spare retainers are presently on site and are scheduled to be replaced during the September refueling outage. This area will be reexamined after completion of licensee action.
- IEB 78-02, Terminal Block Qualification. The licensee has determined that there are no unprotected terminal blocks used in the Oyster Creek containment in systems required to perform in a LOCA environment. Physical examination was not possible in this inspection due to reactor operation. This item will also be inspected as part of IE Circular 78-08 during a later inspection.

- IEB 78-04, Environmental Qualification of certain Stem Mounted Limit Switches Inside Reactor Containment. A review of Burns and Roe (B&R) Specification Number 51 and several B&R prints, series 3130 through 3144, verified the licensee's response and action on IEB 78-04. This item will be further examined under IEC 78-08 on a subsequent inspection.
- IEB 78-06, Defective Cutler-Hammer Type M Relays with DC Coils. The licensee's response to IEB 78-06 indicated that Cutler-Hammer Type M, DC relays were not used in any safety related systems. The inspector reviewed B&R Specification Number 51 and GE series 157B6350 elementary diagrams to verify that no Cutler-Hammer breakers were used in any safety systems. All breakers identified were manufactured by General Electric Company. The inspector had no further questions on this item.
- IEB 78-10, Bergen-Paterson Hydraulic Shock Suppressor Accumulator Spring Coils. The inspector reviewed the completed work package for removal and replacement of all Shock Suppressors listed in the licensee's response to bulletin 78-10. All Suppressors have been changed and tested. Additionally, the inspector reviewed Procedure No. 775.1.004, Revision 3, July 28, 1978, Replacement of Bergen-Paterson Hydraulic Snubbers to verify that the procedure had been revised to require that carbon steel springs be replaced with teflon coated or stainless steel springs prior to installation. The inspector had no further questions on this item.

b. Circulars

Licensee actions concerning the following IE Circulars were reviewed to verify that the circular was received by licensee management, that a review for applicability was performed and that action taken or planned is appropriate.

- IEC 78-02, Proper Lubricating Oil for Terry Turbines. Circular 78-02 does not apply to Oyster Creek. The inspector had no further questions on this item.

- IEC 78-06, Potential Common Mode Flooding of ECCS Equipment Rooms at BWR Facilities. The licensee performed an evaluation of the ECCS equipment rooms and determined that the sump drain system did present a problem. As a result all ball check valves in interconnecting drain lines have been rebuilt. In addition, new auto closing butterfly valves, presently on site, are going to be installed in interconnecting drain lines via Job Order R105 during the September Refueling Outage. This item will be reexamined during a subsequent inspection.
- IEC 78-09, Arcing of General Electric Company NEMA Size 2 Contactors. The licensee stated that the circular addressed the 200 line style of GE contactors and that Oyster Creek uses the 100 line style. The licensee also stated that the electrical department is performing an evaluation of the 100 line style to insure that a similar problem does not exist. This item will be reexamined after the licensee has completed evaluation of the 100 line style contactors.
- IEC 77-14, Separation of Contaminated Water Systems from Noncontaminated Plant Systems. The licensee has completed an evaluation of system separation as documented in an April 11, 1978 letter from M. J. Atkins to J. R. Pelrine. No system interconnections were identified; however, a recommendation was made to tag certain valves to insure that they were operated properly. The inspector had no further questions on this item.
- IEC 78-15, Tilting Disk Check Valves Fail to Close with Gravity in Vertical Position. The licensee performed an evaluation of systems and found four (4) check valves of the type identified in IEC 78-15. All four (4) valves were mounted in the horizontal position. Findings are documented in a memo from R. Baron to J. Sullivan, dated August 28, 1978. The inspector had no further questions on this item.

3. In Office Review of Monthly Statistical Reports

The inspector reviewed the licensee's Monthly Statistical Reports for the period January - July 1978 to verify that reporting requirements were being met. No items of noncompliance were identified.

4. Control Room Tour

The inspector conducted a tour of the control room and observed and discussed the following with shift personnel:

- Proper control room manning;
- Proper shift relief/turnover; and,
- Various annunciators and TS requirements.

No items of noncompliance were identified.

5. Exit Interview

The inspector met with the licensee representative (see paragraph 1) at the conclusion of the inspection on August 31, 1978. The inspector summarized the scope and findings of the inspection at that time.