

U. S. ATOMIC ENERGY COMMISSION

DIRECTORATE OF REGULATORY OPERATIONS

REGION I

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RO Inspection Report No.: 50-219/73-20

Docket No.: 50-219

Licensee: Jersey Central Power & Light Company

License No.: DPR-16

Priority: C

Category: IV

Location: Oyster Creek Station

Type of Licensee: Grp IV Power Reactor

Type of Inspection: Routine, Announced

Dates of Inspection: November 29, 1973

Dates of Previous Inspection: March 20-23, 1972

Reporting Inspector: *J. G. Partlow*
J. G. Partlow

12/3/73
DATE

DATE

Accompanying Inspectors: *H. Bartz*
H. Bartz,

12/3/73
DATE

DATE

Other Accompanying Personnel: _____
G. L. Snyder

DATE

Reviewed By: *W. G. Martin*
W. G. Martin, Chief, Materials and Plant Protection
Branch

12/3/73
DATE

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SUMMARY OF FINDINGS

A. Summary of Findings

1. No violation of AEC regulations or license conditions were noted. Two violations remain outstanding from the previous inspection. These items were not reviewed within the limited scope of this inspection.
2. An exit interview was conducted at the conclusion of the inspection. The following persons were present:
 - C. Fickeissen, Technical Supervisor
 - H. Bartz, USAEC
 - J. Partlow, USAEC
 - G. Snyder, USAEC

Mr. Fickeissen was informed of the inspection findings.

B. Report Details

1. Individuals Contacted

C. Fickeissen, Technical Supervisor

2. Introduction

- a. No significant organizational or operational changes have taken place at Oyster Creek since the last inspection in March 1972. Refueling was conducted in June 1972 and April 1973. Core 3 is currently in operation.

3. Scope

- a. The inspection was limited to a review of SNM depletion and production calculations used and reported by the licensee since initial operation in 1969. At the request of RO:HQ, data was obtained for use in evaluating depletion/production methods through the use of a proposed procedure published by Battelle Pacific Northwest Laboratory, entitled "A test of Computational Methods for Inspection in the Months November 1973 - June 1974".

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4. Discussion of Findings

- a. The Oyster Creek Station has the following fuel cycle history:

<u>Cycle</u>	<u>Period</u>	<u>Remarks</u>
1A	4/69 - 9/71	
1B	10/71 - 6/72	20 reconstituted +24 new assemblies
2	6/72 - 4/73	One-quarter core refueling
3	4/73 - Present	One-quarter core refueling

Uranium and plutonium isotopic inventory data for Cycle 1A and for 148 assemblies currently in the spent fuel pool was obtained at the site. Data for Cycles 1B and 2 is located at the General Public Utilities Office in Morristown, N.J. This data will be obtained and forwarded to RO:1 by the Oyster Creek Technical Supervisor.

- b. After obtaining all core data, the Battelle calculational method will be evaluated and critiqued in accordance with H.V. Werner's letter of November 19, 1973.