



May 18, 1970

W. R. Stratton, Chairman
Oyster Creek Subcommittee

S. H. Bush, Vice Chairman, ACRS

CATEGORY B REPORTS - OYSTER CREEK - JERSEY CENTRAL POWER & LIGHT COMPANY
LETTER DATED APRIL 9, 1970, COMPLIANCE REPORT DATED APRIL 24, 1970, JERSEY
CENTRAL POWER & LIGHT COMPANY LETTER DATED APRIL 21, 1970, JERSEY CENTRAL
POWER & LIGHT COMPANY LETTER DATED MAY 5, 1970-AMENDMENT NO. 54, JERSEY
CENTRAL POWER & LIGHT COMPANY LETTER DATED MAY 5, 1970-AMENDMENT NO. 55
AND DRL LETTER DATED MAY 13, 1970

Attached is a brief summary of the information presented in the subject
correspondence. It is recommended that the Regulatory Staff be informed
that the ACRS will discuss the proposal to increase power to 1690 MWt
with the Regulatory Staff after DRL has completed their evaluation but
before the licensee is authorized to operate at the higher power level.

Retain the two amendments, the remaining material may be discarded upon
completion of your review.

Original Signed by
J. C. McKinley

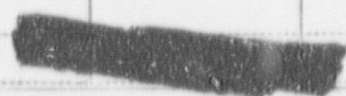
J. C. McKinley
Staff Assistant

Attachments:

- 1) Summary
- 2) JCP&L ltr dtd 4/9/70
- 3) CO Report dtd 4/24/70
- 4) JCP&L ltr dtd 4/21/70
- 5) JCP&L ltr dtd 5/5/70 twtg
Amendment No. 54
- 6) JCP&L ltr dtd 5/5/70 twtg
Amendment No. 55
- 7) DRL ltr dtd 5/13/70

cc: ACRS Members (atts. 5 & 6 only)

OFFICE ▶	ACRS				
SURNAME ▶	JCM:bjh				
DATE ▶	5/18/70				



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OYSTER CREEK

Jersey Central Power & Light Company letter dated April 9, 1970 forwards the Summary Report of the Preoperational Environmental Radiation Survey Program for the Oyster Creek Nuclear Electric Generating Station for the period February, 1966 through December 1968. The purpose of this program was to establish the levels of background radiation prior to operation of the Oyster Creek plant.

No ACRS action appears warranted.

Division of Compliance Report to the Director of Regulation dated April 24, 1970 reports the failure of several control rods to fully insert following a scram, a significant increase in control rod drive seal leakage, and increased difficulties in withdrawing control rods.

A review of the deficiencies found was presented by Compliance at the 121st ACRS meeting. The immediate solution appears to be a reduction in accumulator pressure and replacement of all of the defective garter springs.

No further ACRS action appears warranted at this time.

Jersey Central Power & Light Company letter dated April 21, 1970 presents a status report of the control rod drive problems noted above.

Jersey Central Power & Light Company letter dated May 5, 1970 forwards Amendment No. 54 to their license application and asks that future correspondence be directed to Mr. R. H. Sims, Vice President. Amendment No. 54 contains the results of the reactor vibration monitoring program. It notes that the instrumentation for the hot tests failed in both Oyster Creek and Nine Mile Point and that improved instrumentation has been installed in Dresden Unit 2. Only expected vibration behavior was observed during the Oyster Creek tests. No further vibration testing is planned at Oyster Creek.

No ACRS action appears warranted.

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OYSTER CREEK CONT'D

Jersey Central Power & Light Company letter dated May 8, 1970 forwards Amendment No. 55 to their license application. Amendment No. 55 requests that Oyster Creek be permitted to operate at power levels up to 1690 MWt. They request approval by July 1, 1970.

This is the first step in plant uprating which will, hopefully, eventually go to 1930 MWt.

The 1690 MWt power level was selected for the first step in plant uprating since this power increase can be achieved within the framework of the Oyster Creek FCRA and subsequent amendments by means of a small increase in recirculation flow (8%), and a small reduction in the maximum allowable peaking factor. The startup test program and plant operating experience demonstrates that these small changes are achievable.

Jersey Central believes that, based on the evaluations and studies presented in Amendment No. 55, operation of Oyster Creek Unit No. 1 at power levels up to and including 1690 MWt presents no significant hazards considerations that have not been evaluated.

It is recommended that this proposal be discussed with the Regulatory Staff after they complete their evaluation but before the licensee is authorized to operate at the higher power level.

DRL letter dated May 13, 1970 acknowledges receipt of Amendment No. 55 and points out that the certification of transmittal of a copy to the chief executive of local government is missing. DRL requests the submission of the certification.

No ACRS action required.

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