

OYSTER CREEK NUCLEAR GENERATING STATION

AMENDMENT NO. 72

DOCKET NO. 50-219

This amendment to the Facility Operating License is submitted in request of Commission authorization to:

1. Receive, possess and store up to 1000 kilograms of contained plutonium 239 and plutonium 241, and
2. Use up to 10 kilograms of contained plutonium 239 and plutonium 241.

The safety, transient and accident analyses consistent with the use of the plutonium are addressed in Supplement 2 to Facility Change Request No. 4.

JERSEY CENTRAL POWER & LIGHT COMPANY

By

[Signature]
Vice President

STATE OF NEW JERSEY)
)
COUNTY OF MORRIS)

Sworn and subscribed to before me this 4th day of April 1973.

Marion P. Bawiec
Notary Public

MARION P. BAWIEC
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires Jan. 21, 1974

AMENDMENT NO. 72

PROVISIONAL OPERATING LICENSE DPR-16 (DOCKET 50-219)

Applicant hereby requests the Commission to change the above captioned license as follows:

1. SECTION TO BE CHANGED

Section 2, Paragraph B.

2. EXTENT OF CHANGE

- a. To allow the receipt, possession and storage of up to 1000 kilograms of contained plutonium 239 and plutonium 241.
- b. To allow the use of up to 10 kilograms of contained plutonium 239 and plutonium 241.

3. CHANGE REQUESTED

2. Subject to the conditions and requirements incorporated herein, the Commission hereby licenses Jersey Central:

B. Pursuant to the Act and 10 CFR Part 70, "Special Nuclear Material to receive, possess and use at any one time up to 3600 kilograms of contained uranium 235 in connection with operation of the facility; to receive possess and store at any one time up to 1000 kilograms of contained plutonium 239 and plutonium 241; to use at any one time up to 10 kilograms of plutonium 239 and plutonium 241 in connection with operation of the facility (RE: Supplement No. 2 to Facility Change Request No. 4).

4. DISCUSSION

As discussed in Supplement No. 2 to Facility Change Request No. 4, Jersey Central is seeking approval for Cycle III operation with four $\text{PuO}_2 - \text{UO}_2$ lead assemblies in lieu of a future request for approval of a full quarter core Cycle IV reload licensing submittal. Supplement No. 2 provides the technical support for the Provisional Operating License amendment requested herein.

It would be advantageous from a fuel shipment standpoint to receive approval to receive, possess and store plutonium as early as possible, in anticipation of subsequent Commission approval to use plutonium after a technical review of Supplement No. 2 to Facility Change Request No. 4. In this regard, it is requested that consideration be given initially to part 2.a of this submittal during the Commission review of technical support documentation in connection with Part 2.b (Supplement No. 2 to Facility Change Request No. 4).