



Jersey Central Power & Light Company
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Morristown, New Jersey 07960
(201) 455-8200

October 28, 1980

Director, Nuclear Reactor Regulation
Attn: Mr. Dennis M. Crutchfield, Chief
Operating Reactors Branch No. 5
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

50-219

TELETYPE SERVICES

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Dear Mr. Crutchfield:

The NRC letter dated December 23, 1977 requested information concerning the SEP topic "Environmental Qualification of Safety-Related Equipment." The information requested was the identification of the electrical equipment required to perform a safety function under the environmental condition resulting from each Design Basis Event for Oyster Creek Nuclear Generating Station, definition of the limiting service environmental conditions for operation of the equipment identified above and the identification of the supporting documentation. This information was transmitted to you by a letter dated December 19, 1978.

Subsequently, an NRC letter dated February 15, 1980 transmitted NRC Guidelines For Evaluating Environmental Qualification of Class 1E Electrical Equipment which requested JCP&L to review the environmental qualification of the safety related equipment both inside and outside containment.

On March 10 through 13, 1980 meetings were held with the NRC staff at Oyster Creek Nuclear Generating Station concerning the subject matter and a list of safety related systems essential to mitigate certain high energy line breaks was jointly agreed on. Based on this list of systems, JCP&L developed a list of components in these systems.

The component list and an environmental profile for each piece of equipment were transmitted to you by our letter dated May 7, 1980.

Your letter dated August 29, 1980 transmitted an order which required JCP&L to submit by November 1, 1980 all information to support a safety evaluation of the safety related electrical equipment exposed to a harsh environment, inside or outside containment.

The attached report entitled "Environmental Qualification of Safety-Related Electrical Equipment - Oyster Creek Nuclear Generating Station" is being transmitted to you as our response to your August 29, 1980 order.

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As it is indicated in the Chapter 7 of the report, those equipment which is without an adequate qualification documentation and is considered essential to mitigate a postulated high energy line break will be either replaced or qualified by June, 1982 assuming that procurement delays by equipment suppliers do not preclude replacement by that date. If you should have any further questions, please call James Knobel (201-455-8753) of my staff.

Very truly yours,

Ivan R. Finrock Jr.
Ivan R. Finrock Jr.
Vice President

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STATE OF NEW JERSEY
COUNTY OF MORRIS

Sworn and subscribed to before me this 3rd day of October, 1980

David C. Shadle

Notary Public

DAVID C. SHADLE
NOTARY PUBLIC - NEW JERSEY
My Commission Expires 12/31/1983