Jersey Central Power & Light Company
Madison Avenue at Punch Bowl Road
Morristown, New Jersey 07960
(201) 455-8200

December 17, 1980

Mr. Darrell G. Eisenhut, Director
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Mr. Eisenhut:

Pursuant to your correspondence of October 1, 1980 concerning BWR Scram Systems, Jersey Central Power & Light Company has evaluated its existing scram system relative to the additional design and performance criteria developed by the BWR Owners Group. Enclosure No. 1 represents the results of the above evaluation. Preoperational test procedures and system surveillance procedures will be developed and implemented by the Oyster Creek Nuclear Generating Station staff.

The modified system is scheduled to be operational by May 1, 1982. If additional clarification or information is required please contact Mr. J. Knubel of my staff at 201-455-8753.

Very truly yours,

Ivan R. Finfrock, Jr.
Vice President

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Enclosure

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ENCLOSURE NO. 1

Modifications required of the existing Oyster Creek Nuclear Generating Station scram system in order to comply with the BWR Owners Group position:

(1) Scram Discharge Volume (SDV) capacity will be modified to accept a minimum of 3.34 gallons per drive.

(2) Modification of the SDV and its associated vent and drain piping geometry will be designed and installed such that proper drainage is maintained to ensure proper system function. Loop seals will not be utilized.

(3) Each vent line will be dedicated to its respective SDV and will be connected to the reactor building equipment drain tank above the tank overflow connection.

(4) Redundant valves will be provided on each vent and drain line. Valve position indication will be provided in the control room.

(5) Modification of the SDV, the vent and drain system piping, and the instrument piping and components will be designed with consideration of loading due to pressure, temperature, fluid dynamics, and environmental conditions as applicable. In addition, all piping up to and including the redundant vent and drain valves will be seismically supported.

(6) Each bank of hydraulic control units will be provided with its own scram discharge instrument volume (SDIV). Each SDIV will have redundant instrumentation directly connected to the SDIV piping utilizing one out of two twice logic for scram initiation. In addition, high and high-high water level alarms for each SDIV will be provided in the control room.

(7) Circuits associated with separate RPS channels will be run in separate conduits. These conduits will not be shared with any other safety or nonsafety circuits.

(8) The design and installation will provide the capability to repair, replace or test any component without initiating or bypassing scram signals.