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

January 23, 1979

Mr. Dennis L. Ziemann, Chief
Operating Reactors Branch #2
Division of Operating Reactors
Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Mr. Ziemann:

Subject: Oyster Creek Nuclear Generating Station
Docket No. 50-219
Request for Additional SEP Information

The enclosed information is being forwarded to you in response to your letter dated October 26, 1978. The information herein is as follows:

1. schematic diagrams of load transfer switches IT-3, IT-4, 1AB2, VACP-1, and PS-1.
2. Oyster Creek plant drawing index
3. drawing number D-3033-1A showing the battery and charger alarms and indications.
4. list of diesel generator loads supplied under emergency conditions.

In addition to the above information you had requested the following:

1. Topic VI-7.B ESF Switchover from Injection to Recirculation Mode (Automatic ECCS Realignment).

Schematics for the automatic controllers used (if any) to perform the changeover.

This system is not applicable to the Oyster Creek Nuclear Generating Station.

2. Topic VII - 1.A Isolation of Reactor Protection System from Non-Safety Systems, Including Qualification of Isolation Devices

Drawings and schematics which show:

- A. How the Reactor Protection System gets its input signals.

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- B. How the other system inputs are isolated from the Reactor Protection System inputs.

The schematics and drawings pertaining to this subject were enclosed in our June 26, 1978 submittal. The information is found on drawing number GE 237E566, "Reactor Protection System".

If there are any questions regarding any of the enclosed information please contact Jim Knubel, Supervisor, Nuclear Safety & Licensing (201/455-8753) or myself.

Very truly yours,



Ivan R. Finfrock, Jr.
Vice President

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DIESEL GENERATOR LOADS SUPPLIED UNDER EMERGENCY CONDITIONS

NORMAL OPERATION (BUS 1C and BUS ID AVAILABLE)

	<u>Nameplate Rating</u>	<u>Rated Condition</u>
Emergency Lighting (immediately)	70	70
Instruments, Controls, Misc. Small Motors, and Systems Losses (immediately)	250	250
*Security System Loads (immediately) DG-1 (DG-2)	88 (76HP)	80 (76 HP)
Closed Cooling Water Pumps (after approximately 166 sec.)	200	176
Standby Gas Treatment (immediately)	70	70
Core Spray Pump (immediately on Command)	500	462
Core Spray Booster (5 seconds after CSP)	300	285
Control Rod Drive Feed Pumps (After booster discharge pressure attained - after approximately 60 sec.)	250	252
Service Water (2 minutes delay)	250	252
Containment Spray (45 seconds delay)	300	237
Emergency Service Water Pump (3 minutes after containment spray)	400	405
Normal Operation Total DG-1 (DG-2) Category 1 load	2678 HP (2666 HP)	2547 HP (2535 HP)
Equivalent kw DG-1 (DG-2)	1988 KW (1989 KW)	1900 KW (1891 KW)

DIESEL GENERATOR LOADS SUPPLIED UNDER EMERGENCY CONDITIONS (CONT'D)

ADDITIONAL CSS LOADS (BUS 1C or BUS 1D UNAVAILABLE)

	<u>Nameplate Rating</u>	<u>Rated Condition</u>
Additional Core Spray Pump (5 seconds after first booster)	500	162
Additional Booster Pump (5 seconds after additional CSP)	300	285
Total Category 1 Load which must start automatically	3540 HP	3356 HP
Equivalent KW	2640 KW	2500 KW
Assume 95% Efficiency for large Motors, Total Load	2760 KW	2616 KW