JCP&L GPU

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

February 22, 1980

Mr. Darrell G. Eisenhut, Acting Director
Division of Operating Reactors
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Mr. Eisenhut:

Subject: Oyster Creek Nuclear Generating Station
Docket No. 50-219
Anchorage and Support of Safety Related Electrical Equipment

Your letter of January 1, 1980 which was received on January 21, 1980 requested that Jersey Central Power & Light Company (JCP&L) develop, within 30 days, an action plan to assess the capability of all safety related electrical equipment (as well as nonseismic Category 1 auxiliary items) to resist seismic forces and implement remedial measures, as necessary, to increase safety margins.

Since June, 1979 JCP&L has conducted several plant inspections of safety related electrical equipment and some nonseismic equipment. During the inspections, the as-built support configurations were determined and analyses performed to evaluate the adequacy of the existing anchorage and/or support. We are currently in the process of evaluating various methods to upgrade the existing holddown and/or support which were found to be inadequate by the analyses. We plan to install additional support for some of the equipment during the current refueling outage. We also plan to conduct additional plant inspections in the near future to identify nonseismic equipment which may adversely impact on safety related equipment.

Anchorage used (i.e., bolts and fasteners, etc.), for the equipment installed at the Oyster Creek Nuclear Generating Station was fabricated to the commercial standards existing when the plant was being built; no supporting documentation is available.

Results of our previous effort concerning the subject matter are summarized below.

1. Supports for Isolated Phase Bus Ducts

An analysis has been performed to determine whether the isolated phase bus duct supports are adequate to prevent the ducts from falling on the 4160 volt switchgear (safety related equipment) during the design basis earthquake.

8002290 299

The analysis indicates that some additional bracing of these Class II duct supports is needed to upgrade them to Class I seismic requirements. We are in the process of installing this bracing during the current refueling outage.

2. Station Battery "B" Rack

Following the June (1979) inspection, additional struts were installed to improve the lateral support provided for the batteries. As a permanent modification, a new seismically qualified battery rack is being installed during the current outage to replace the upgraded rack.

3. The as-built support configurations were determined and the subsequent analyses indicate that the following equipment is adequately supported:

4160 switch gear
CRD Hydraulic Control Unit

4. The as-built support configurations were determined for the following equipment and the subsequent analyses indicate that additional supports are required. It is our intention to upgrade the equipment during the current refueling outage.

Control Room panels
460 V unit substations 1A2 and 1B2
Battery room main breaker and distribution panel
Instrument Rack RK04
Wall mountings of equipment in cable spreading room
460 V Motor Control Centers 1A1, 1B2, 1A21 and 1B21

5. Analyses for the following equipment indicate installation of additional supports are required. Engineering design and drawings for the supports are being developed at this time. Since it is not practical to install these supports when the plant is in operation, all of the work will be accomplished during the next (1981) refueling outage, if not completed during the current outage.

4160V-460V transformers

Very truly yours,

Ivan R. Finfrock

Ivan R. Finfrock, Jr.
Vice President