GPU Nuclear

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Writer's Direct Dial Number:

April 1, 1982

Director
Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Sir:

Subject: Oyster Creek Nuclear Generating Station
Docket No. 50-219
Emergency Operations Facilities

The purpose of this submittal is to update you as to our current status of Emergency Operations Facilities. Also included, as requested in your Confirmatory Action Letter dated February 18, 1982, is an update of the conceptual design criteria for our Technical Support Center (TSC). In addition, we are including milestones and the date when the facility will be operational.

With regard to the existing TSC, as you are aware, we currently do not meet the habitability requirements as described in NUREG 0696. We will forward the results of the shielding study to you by May 31, 1982. We have reviewed our position on upgrading the existing TSC ventilation system and in light of our efforts to support a major outage, it appears to be more beneficial to focus our resources on the completion of the new TSC rather than to undertake parallel efforts on both upgrading the existing TSC and completing the new TSC. This cost benefit consideration becomes more significant when we consider that the plant will not be operating for approximately 12 out of the next 24 months. We are presently in the final stages of selecting the site of our new TSC. It is slated to be in a new building adjacent to the existing office building or in a new building south of the Auxiliary Office Building. Attachment 1 presents our plans to construct the new TSC in response to NUREG 0696.

As previously identified in our September 11, 1981 submittal, we are not planning a Safety Parameter Display System (SPDS) as such, however, we are planning to employ modern technology and a redundant computer system to display important information to the plant operators. This should lead to maximum practical availability of plant data. Plant Computer data terminals are slated to be used for data transmission to the appropriate Emergency Response Facilities. This System is expected to be operational for a 400 point system by 2/85. Additionally, no Nuclear Data Link is planned, however, another plant computer data port could be arranged.

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At this time, we feel all other facilities excluding the NEOF and the existing TSC as noted above, fully address the emergency response functions as outlined in NUREG 0696.

Our Nearsite Emergency Operations Facility (NEOF), does not meet the habitability requirements; however, our Farsite Emergency Operations Facility (FEOF) is fully operational outside the ten mile radius. The Oyster Creek FEOF has the same functional capability as the NEOF and would be used should the NEOF become uninhabitable.

This completes the update of our Emergency Operations Facilities. If you should have any questions, please contact Mr. Michael Laggart at (609) 693-6932.

Very truly yours,

Philip R. Clark

Philip R. Clark
Executive Vice President

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ATTACHMENT 1

The TSC is to be located within the protected area. There will be no major security barriers, other than access control stations, between the TSC and control room

The TSC will be built to the Uniform Building Code in order that it will survive 100 year winds, floods and earthquakes.

The personnel work area of the TSC may have a false floor typical of computer rooms, to facilitate cabling modifications. Movable partitions shall be used in the TSC to facilitate reconfiguring the work space.

The TSC area will have emergency lighting.

The TSC area will contain tables, chairs and fireproof file cabinets, as well as the CRT terminals and telephones. A general arrangement layout drawing will be developed to insure that the area can be used for its intended function.

The TSC is to provide lavatory facilities, office space/conference areas for five NRC staff members and approximately 16 GPUN/JCP&L personnel, and space for archival and equipment storage.

The projected date for completion of the TSC structure is 1/1/84.

The projected date for having TSC operational without computer capabilities is 5/84.

TSC habitability will meet the requirements of standard review plan 6.4 and General Design Criterion 19 of 10CFR50 Appendix A as they pertain to control rooms, with the exception of automatic actuation, seismic and redundancy criteria for the HEPA and Charcoal Filters.

To ensure adequate radiological protection of TSC personnel, radiation monitoring will be provided to continuously indicate the radiation dose rates and airborne radioactivity concentrations within the TSC.

This monitoring system will include local alarms with trip levels set to provide early warning to TSC personnel of adverse conditions that may affect the habitability of TSC. Detectors shall be able to distinguish the presence or absence of radioiodines at concentrations as low as 10^{-7}uci/cc.

A positive air pressure relative to unconditioned adjacent space shall be maintained. The HVAC for the TSC will be provided with an alternate or backup power source.

Equipment that protects personnel shall be provided in the TSC for the staff who must travel between the TSC and the control room or the EOF under adverse radiological conditions. Storage space will be provided for respirators, protective clothing, friskers, etc. and will be appropriately stocked by those responsible for providing such equipment.

Communications in the TSC shall be provided by the necessary telephones required by the Oyster Creek Emergency Plan as well as the "Red and Yellow" intercom, and radio facilities capable of handling site company frequencies.

The TSC will have facilities for facsimile transmission capability between the TSC, NEOF, Parsippany Technical Support Center, Control Room and the NRC Operations Center.

Equipment shall be provided to gather, store and display data needed in the TSC to analyze plant conditions. The data system equipment shall perform these functions independent of actions in the control room and without degrading or interfering with control room and plant functions. Selected plant parameters will be presented to the TSC via the Plant Computer and at least one CRT. Accuracy of data shall be comparable to that displayed in the control room. These systems will also be provided with means of generating hard copy. Proposed load for these CRT's and their peripherals in the TSC is less than 10 KVA.

A normal power source and an alternate power source shall be available in order to maintain continuity of TSC functions.

The total TSC data system (which is driven by the Plant Computer System) will be designed to a high degree of reliability; however we believe the .01 unavailability factor is not currently justifiable nor economically feasible.

Projected dates for having computer capability in the TSC:

5/84 Computer System Hardware Installed
2/85 Computer System Integrated and working for 400 point system

The TSC shall have an up-to-date repository of plant records and procedures at the disposal of TSC personnel to aid in their technical analysis and evaluation of emergency conditions. Access to records should include system descriptions, general arrangement drawings, piping and instrument diagrams, piping system isometrics, electrical schematics, wire and cable lists, single line electrical diagrams, operating procedures, emergency operating procedures, Oyster Creek photographic records, the FDSAR, Technical Specifications, the emergency plan and emergency procedures.