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Writer's Direct Dial Number:

May 16, 1988

U.S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, DC 20555

Dear Sir:

Subject: Oyster Creek Nuclear Generating Station  
Docket No. 50-219  
IE Inspection No. 50-219/88-02  
Request for Additional Information

IE Inspection Report 88-02 requested additional information related to the reactor building low temperature conditions which occurred on January 6, 1988. To date GPUN has responded to the Notice of Violation, included in the subject inspection report, and has submitted a Licensee Event Report both of which address the immediate actions taken as well as actions taken to prevent recurrence. The following discussion provides amplification with regard to the actions already taken and also provides further details on actions currently in progress.

Following the occurrence of this event, GPUN took immediate actions to raise reactor building temperature. Temperature surveys were taken to assure building temperatures had returned to proper levels. GPUN's analysis of this event concludes the freezing temperatures experienced in the lower level of the shutdown cooling area were of a very localized nature and did not extend to other areas of the reactor building. Temperature surveys made during the event did not identify any other areas in which freezing temperatures were present. Based on a review of operational parameters and observation of plant equipment, no damage, other than that to the instruments in the shutdown cooling area, was found. Engineering analysis of the temperatures experienced concluded that no structural damage occurred since the low temperature conditions existed for a relatively short period of time when compared to the time required for structural components to respond to temperature changes. Therefore, GPUN concludes the reactor building and its contained equipment did not experience any further damage other than that described in Licensee Event Report 88-001.

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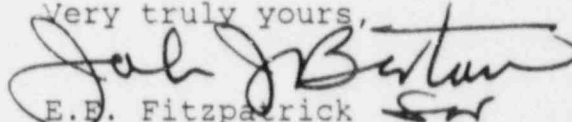
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As a result of the investigation of this event by GPUN and NRC inspection personnel, additional studies and evaluations were initiated. A study is in progress to identify the reactor building temperature profile as a function of ventilation system status and outside ambient temperature conditions. Also a study is in progress to identify reactor building structural and equipment temperature limitations. An analysis of the results of these studies will provide the necessary data to develop guidelines detailing action levels, controls, and corrective measures to be taken during periods of sustained low temperature conditions.

Upon completion of the analysis discussed above, procedures will be revised to assure that limiting temperature conditions are not exceeded. These procedural actions may include increased monitoring as outside temperatures decline, the installation of temporary heating capability in specific areas of concern, limiting ventilation intake to restrict cold air inflow, or a combination of these actions based on the pre-established guidelines.

These actions in conjunction with those described in GPUN'S Licensee Event Report and the response to the Notice of Violation will specifically identify temperature limitations and appropriate actions to prevent a recurrence of this event. GPUN expects to complete these actions by the end of September, 1988. If you should have any questions, please contact Mr. George W. Busch at (609) 971-4909.

Very truly yours,



E.F. Fitzpatrick  
Vice President and Director  
Oyster Creek

EEF/GB

cc: Mr. William T. Russell, Administrator  
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