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July 17, 1985

Dr. Thomas E. Murley, Administrator
U. S. Nuclear Regulatory Commission
Office of Inspection and Enforcement
Region I
631 Park Avenue
King of Prussia, Pennsylvania 19406

Dear Dr. Murley:

SIGNIFICANT CONSTRUCTION DEFICIENCY
BAILEY CONTROLS - RZ MODULES
HOPE CREEK GENERATING STATION

On June 12, 1985, a verbal report was made to Region I, Office of Inspection and Enforcement representative, Mr. E. Kelly, advising of a significant construction deficiency concerning oxidized jumper clips in type RZ push button modules supplied by Bailey Controls. The following interim report is provided in accordance with 10CFR50.55(e).

Description of the Deficiency

During contact resistance testing of twelve (12) RZ modules, two (2) of the 72 push button switch units showed high resistance values (112K ohms and 125K ohms). These values are high enough to prevent the 862 digital and 7000 analog systems from performing as required by the depression of the RZ push button. Inspection of the push button switch units revealed oxidation of the spring steel jumper clip used to connect the normally open contacts in series.

Bechtel is preparing to issue a Field Change Package to replace the jumper clips with soldered connections using #22 AWG bare solid wire. Approximately 700 RZ modules are affected, including spares. There are six (6) switches per module with one (1) jumper clip in each switch.

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We anticipate providing you with a final report on this issue by August 28, 1985, to include the status of our corrective action and the requisite safety analysis.

Very truly yours,



C Office of Inspection and Enforcement
Division of Reactor Construction Inspection
Washington, D. C. 20555

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