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May 7, 1984

Docket Nos. 50-277
50-278

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

SUBJECT: Peach Bottom Atomic Power Station
NUREG-0612 - Control of Heavy Loads

Dear Mr. Eisenhut:

The purpose of this letter is to update our progress on NUREG-0612, "Control of Heavy Loads at Nuclear Power Plants".

In your letter of December 22, 1980, you requested in part that "modifications you find are necessary will commence as soon as possible so that all such changes will be completed within two years of submittal of Section 2.4 (Sections 2.1 through 2.3 for BWR's) ...".

As part of its NUREG-0612 commitment, Philadelphia Electric Company modified the Circulating Water Pump Structure Crane and the Turbine Building Cranes at our Peach Bottom Atomic Power Station to include crane photocell interlocks (with key overrides) to prevent the movement of heavy loads over the safety-related equipment in the circulating water pump structure and over the emergency service water piping and high pressure service water piping contained in a pipe tunnel in the turbine building below the turbine hatchway.

These modifications were installed prior to December 22, 1983, the time limit specified in your letter of December 22, 1980. However, both the Circulating Water Pump Structure Crane and the Turbine Building Crane travel limit circuitry have

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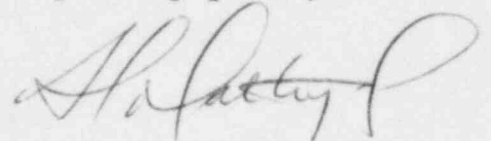
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experienced operational problems because of design deficiencies. Philadelphia Electric Company's Engineering and Research Department is reviewing the design to resolve these problems. Until these problems in the electrical interlocks are resolved, administrative controls are being used to operate the turbine building cranes and the circulating water pump structure crane. In accordance with these administrative procedures, any lifts that necessitate loads traversing designated "exclusion areas" require that bypass authorization (allowed use of key overrides) from the Shift Supervisor be documented in the Item Handling Report for that lift.

Following determination by the Engineering and Research Department of the corrective actions necessary to resolve these difficulties in the electrical interlock system, the NRC will be notified of the corrective actions to be taken and the estimated time required to implement the solution.

If you have any questions or require additional information, please do not hesitate to contact us.

Very truly yours,

A handwritten signature in cursive script, likely belonging to A. R. Blough, the Site Inspector mentioned in the distribution list.

cc: A. R. Blough, Site Inspector