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October 23, 1981

Mr. James G. Keppler, Director
Directorate of Inspection and
Enforcement - Region III
U.S. Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, IL 60137

Subject: Dresden Station Units 2 and 3
Quad Cities Station Units 1 and 2
Response to Request to Initiate
Corrective Actions Associated with
HPCI Steam Line Problems
Inspection Report No. 50-237/81-25
NRC Docket Nos. 50-237/249 and 50-254/265

Reference (a): C. E. Norelius letter to Cordell Reed
dated October 8, 1981

Dear Mr. Keppler:

In response to your Reference (a) request, Commonwealth Edison is providing the following schedule information associated with IE Inspection Report No. 50-237/81-25:

1. Modify the permanent system to improve line condensate drainage.

This task was accomplished in September. A drain was installed at the low point in the horizontal run where ultrasonic examination indicated water was standing. This drain removes the condensate to another section of the same pipe where the condensate drains to the drain pot. Ultrasonic examination, after the drain was installed, indicates no water is in the pipe. A similar modification was made on Dresden 3 in late September.

2) Review and re-evaluate the original S&L high energy line break analysis including established design criteria, the structural assembly and support component calculations.

By December 1, Commonwealth Edison will have reviewed the recent event and will have determined the need for a detailed review of the high energy line break analysis. WE will also, at that time, provide another schedule for completion of that review (if applicable), or justification for not performing a detailed reanalysis.



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3) Provide a fatigue analysis that considers the present vibratory and prior water hammer loading effects to assess the remaining system safe operation transient life cycles.

Commonwealth Edison will provide, by January 1, 1982, either justification for not doing a fatigue anlaysis or the final schedule for that analysis. Four weeks will be spent in obtaining all the information on the first water hammer event and another four weeks correllating that to this most recent event. At that time, a determination can be made as to whether these events could possibly affect the fatigue life of the system.

4) Provide the I.E. Bulletin No. 79-14 piping system analysis documentation including computer modeling of the seismic restraints and calculated primary stress levels compared with your committed Code allowables.

A system isometric and the computer output can be provided by January 1, 1982.

Since the inspection of September 6-7, the Dresden 3 HPCI steamline has been inspected and a continuous drain installed. In addition, the Quad Cities Unit 1 HPCI steam line has been inspected, both for support integrity and condensate. All supports were intact and no water was found in the line. Unit 2 at Quad Cities is in an outage; when the HPCI System is back to temperature after the outage, the system will be inspected. This inspection can be accomplished within 30 days of unit start-up. The hangers for these systems were visually inspected for obvious deformation. Settings of any spring cans, sway braces, or snubbers will be addressed during the I.E. Bulletin 79-14 review.

Very truly yours,

L. O. DelGeorge

L. O. DelGeorge
Director of Nuclear Licensing

cc: RIII Inspector, Dresden
RIII Inspector, Quad Cities

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