ILLINOIS POWER COMPANY

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500 SOUTH 27TH STREET, DECATUR, ILLINOIS 62525

February 29, 1980

Mr. Mark Hartzman
Division of Systems Safety
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mr. Hartzman:

Clinton Power Station Units 1 & 2
Docket Nos. 50-461 and 50-462

This letter confirms, per your request, the verbal information provided to you in two recent telephone discussions with Mr. J. H. Shepard concerning a defect in the NUPIPE computer code used by industry in stress analyses of piping systems.

Mr. Shepard advised you that Illinois Power Company (IP) has used the NUPIPE code for some design verification of our architect-engineer's (Sargent & Lundy) piping stress analysis. Previous to your first contact, IP had already evaluated the computer code defect conditions provided in the NRC IE Information Notice No. 79-36. We found that the defected condition of a flexible joint modeled at the end of an elbow (ELBOW-ELASTOJT connection) did not apply or affect any IP stress analyses on Clinton Power Station Unit 1. In fact, Mr. Shepard had already communicated the code error to Control Data Corporation's Cybernet Center for necessary correction, even though IP had not used the ELBOW-ELASTOJT connection in its analyses.

Sargent & Lundy (S&L) had previously informed us that the NUPIPE computer code is not used for the Clinton Power Station piping analysis. The S&L proprietary computer code, PIPSYS, is used. Please be advised that our NSSS vendor (General Electric Company) and architect-engineer (S&L) have been requested to investigate the computer code problem identified in IE Information Notice 79-36 to determine its applicability to the Clinton Power Station. We will inform you if any significant defects in the piping analyses are disclosed.

If you have any further questions regarding this matter, please contact me or Mr. Shepard.

Sincerely,

G. E. Wuller

G. E. Wuller
Supervisor-Licensing

GEW:dl

cc: B. C. Buckley (NRC Clinton Project Manager)

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