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UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

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Before the Atomic Safety and Licensing Board

In the Matter of)

Philadelphia Electric Company)

(Limerick Generating Station,
Units 1 and 2))

Docket Nos. 50-352
50-353

TRANSMITTAL OF TESTIMONY OF APPLICANT RELATING TO
THE ABILITY OF SAFETY RELATED STRUCTURES TO WITHSTAND
THE EFFECTS OF POSTULATED DETONATION RESULTING FROM
THE RUPTURES OF THE ARCO AND COLUMBIA GAS TRANSMISSION
PIPELINES AND REQUEST TO SET SCHEDULE

In accordance with the Atomic Safety and Licensing Board's Memorandum and Order Confirming Rulings Made at Hearing (January 20, 1984) (slip op. at 3) the "Testimony of Philadelphia Electric Company Regarding the Ability of Safety Related Structures to Withstand the Effects of Postulated Detonation Resulting from the Assumed Ruptures of the ARCO and Columbia Gas Transmission Pipelines" relating to the structural integrity of safety-related structures, systems and components to withstand a postulated gasoline or natural gas pipeline accident is hereby transmitted. Also included are the statements of professional qualifications of potential witnesses. John Walsh, who previously testified on pipeline explosions, will be included on the witness panel. The breakdown of their participation in the preparation of this testimony will be supplied next week.

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Because of schedule conflicts, Dr. K.P. Buchert, Professor of Engineering, Southern Illinois University at Edwardsville, will only be available on Wednesday, March 7, 1984 during the hearing week. His participation was limited to the failure mode analysis of the cooling tower and the specification of the size of the resulting missiles. He did not participate in the analysis of the effect of such missiles on safety-related structures or in the flooding analysis. Because of the discrete and limited nature of his testimony, Applicant asks that his examination by the Board and parties take place on March 7, 1984.

Copies of appropriate portions of references in the testimony are being sent to Mr. Anthony, representative of FOE, the NRC Staff and the Licensing Board.

Respectfully submitted,

CONNOR & WETTERHAHN, P.C.



Mark J. Wettermann
Counsel for the Applicant

February 3, 1984