

PHILADELPHIA ELECTRIC COMPANY

2301 MARKET STREET

P.O. BOX 8699

PHILADELPHIA, PA. 19101

MAY - 4 1984

(215) 841-4502

JOHN S. KEMPER
VICE-PRESIDENT
ENGINEERING AND RESEARCH

Mr. A. Schwencer, Chief
Licensing Branch No. 2
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Docket Nos.: 50-352
50-353

Subject: Limerick Generating Station, Units 1&2
SER Open Issue Thirteen

Reference: Limerick Safety Evaluation Report
(NUREG-0991)

File: GOVT 1-1 (NRC)

Dear Mr. Schwencer:

Open issue thirteen of the reference requested Philadelphia Electric to evaluate the effects and consequences of a high energy line break (HELB) to verify that when the safety systems respond to mitigate the effects of the HELB, a single active failure in the safety systems in conjunction with all possible combinations of control systems and nonqualified safety systems failures induced by the HELB are bounded by the Limerick FSAR Chapter 15 analyses. Enclosed is a copy of our report, High Energy Line Break/Control Systems Failure Analysis, which demonstrates that the consequences of postulated high energy line breaks and their effects on adjacent, non-safety-related control systems components are bounded by Limerick FSAR Chapter 15 analysis.

Sincerely,

John S. Kemper

JLP/gra/032384115

cc: See Attached Service List

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PDR ADOCK 05000352
E PDR

Boo!
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cc: Judge Lawrence Brenner	(w/enclosure)
Judge Richard F. Cole	(w/enclosure)
Troy B. Conner, Jr., Esq.	(w/enclosure)
Ann P. Hodgdon, Esq.	(w/enclosure)
Mr. Frank R. Romano	(w/enclosure)
Mr. Robert L. Anthony	(w/enclosure)
Charles W. Elliot, Esq.	(w/enclosure)
Zori G. Ferkin, Esq.	(w/enclosure)
Mr. Thomas Gerusky	(w/enclosure)
Director, Penna. Emergency Management Agency	(w/enclosure)
Angus R. Love, Esq.	(w/enclosure)
David Wersan, Esq.	(w/enclosure)
Robert J. Sugarman, Esq.	(w/enclosure)
Spence W. Perry, Esq.	(w/enclosure)
Jay M. Gutierrez, Esq.	(w/enclosure)
Atomic Safety & Licensing Appeal Board	(w/enclosure)
Atomic Safety & Licensing Board Panel	(w/enclosure)
Docket & Service Section	(w/enclosure)
Martha W. Bush, Esq.	(w/enclosure)
Mr. James Wiggins	(w/enclosure)
Mr. Timothy R. S. Campbell	(w/enclosure)
Ms. Phyllis Zitzer	(w/enclosure)
Judge Peter A. Morris	(w/enclosure)