PHILADELPHIA ELECTRIC COMPANY

2301 MARKET STREET

P.O. BOX 8699

PHILADELPHIA, PA. 19101

(215) 841-4000

EDWARD G. BAUER, JR.
VICE PRESIDENT
AND GENERAL COUNSEL

EUGENE J. BRADLEY
ASSOCIATE GENERAL COUNSEL

DONALD BLANKEN
RUDOLPH A. CHILLEMI
E. C. KIRK HALL
T. H. MAHER CORNELL
PAUL AUERBACH
ASSISTANT GENERAL COUNSEL
EDWARD J. CULLEN, JR.
THOMAS H. MILLER, JR.
IRENE A. McKENNA
ASSISTANT COUNSEL

June 7, 1983

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
Request for Information from the Accident Evaluation Branch (AEB)

Reference: Telecon between L. Bell and H. D. Honan on April 14, 1983

File: GOVT 1-1 (FSAR)

Dear Mr. Schwencer:

The attached draft FSAR change is provided in response to an AEB request for information transmitted via the referenced telecon.

This change will be formally incorporated into the FSAR revision scheduled for July, 1983.

Sincerely,

Eugene J. Bradley

HDH/gra/17

Copy to: See Attached Service List

B001
1/1

cc: Judge Lawrence Brenner (w/o enclosure)
Judge Richard F. Cole "
Judge Peter A. Morris "
Troy B. Conner, Jr., Esq. "
Ann P. Hodgdon, Esq. "
Mr. Frank R. Romano "
Mr. Robert L. Anthony "
Mr. Marvin I. Lewis "
Judith A. Dorsey, Esq. "
Jacqueline I. Ruttenberg "
Thomas Y. Au, Esq. "
Mr. Thomas Gerusky "
Director, Pennsylvania Emergency Management Agency "
Steven P. Hershey "
Charles W. Elliott, Esq. "
Donald S. Bronstein, Esq. "
Mr. Joseph H. White, III "
David Wersan, Esq. "
Robert J. Sugarman, Esq. "
Martha W. Bush, Esq. "
Atomic Safety and Licensing Appeal Board "
Atomic Safety and Licensing Board Panel "
Docket and Service Section "

CHANGE REQD TO RESOLVE AEB/LARRY BELL CONCERN, PER 4/14/83 TELECON W/ HDH & WJB.

A differential pressure sensor is provided to monitor dilution air flow, which is an indication of blower operation. The bleed valves are interlocked to remain closed on actuation of the upstream system until flow is established. A low differential pressure indicates that the blower is not running, and the system valves remain closed, thus ensuring that the low-pressure manifold is always maintained at a negative pressure whenever the bleed valves are open. Bleed valve reclosure is also initiated whenever dilution air flow is lower than a preset value.

The bleed line depressurization branch is terminated in the steam tunnel, which is served by the RERS. The blower discharge line is also terminated in the steam tunnel so that the discharge flow is processed by the RERS.

Manual switches are provided for testing the bleed valves. These valves are not tested during plant operation. This precludes inadvertent dumping of steam due to equipment malfunction or operator error.

6.7.2.3 System Operation

Both the upstream and downstream MSIV-LCS are actuated manually with remote initiation switches by the operator (from the control room) after it has been ascertained that a LOCA has occurred, as evidenced by high drywell pressure and low reactor water level. System operation starts provided that the main steam line and reactor vessel pressures are below the pressure permissive interlock setpoint.

In the downstream system, the valves in the depressurization branch line open to permit the main steam line beyond the outboard MSIV to depressurize. The blowers are started coincident with the system initiating switch actuation. When the steam lines depressurize to approximately atmospheric pressure, the valves in the branch line to the blower open automatically and the valves in the depressurization branch close automatically. This establishes a subatmospheric pressure in the main steam lines, and the MSIV leakage is routed to the SGTS.

If a subatmospheric pressure is not established in the main steam lines within the estimated time required to depressurize, the timer actuates the high-pressure alarm, ~~indicating a system component failure. The system would then be manually secured by the operator~~.

BUT THE SYSTEM WOULD CONTINUE TO OPERATE.