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August 1, 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 and 2
Request for Additional Information (RAI)
from Mechanical Engineering Branch (MEB)

References: (1) Letter from A. Schwencer to E. G. Bauer,
Jr., dated April 11, 1983
(2) Letter from A. Schwencer to E. G. Bauer,
Jr., dated July 6, 1983
(3) Telecon between Jim Brammer, Renee Li
and Dave Terel (NRC) and Tom Shannon,
John O'Rourke and Jerry Phillabaum (PECO)
on July 22, 1983

File: GOVT 1-1 (NRC)

Dear Mr. Schwencer:

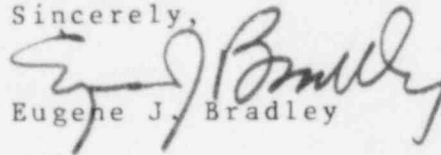
The reference (1) letter transmitted Question 210.33 which requested assurance that the feedwater isolation check valves can perform their function following a postulated pipe break of the feedwater line outside containment. An analysis of the Limerick feedwater isolation check valves was performed early in the design of the system. In August, 1983 the methodology used to perform the analysis together with assumptions, allowables, forcing functions, and a summary of the results will be provided.

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A PDR

Boo!
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The reference (2) letter transmitted Question 210.56 with the staff's detailed statement of position on this item. Enclosed is our revised response to 210.56 which documents the agreed upon approach to minimize the vibration of safety-related instrument lines (reached by reference (3)).

Sincerely,

A handwritten signature in dark ink, appearing to read "Eugene J. Bradley". The signature is fluid and cursive, with the first name "Eugene" and last name "Bradley" clearly distinguishable. It is positioned over the printed name "Eugene J. Bradley".

Eugene J. Bradley

JLP/gra/47

Copy to: See Attached Service List

| | |
|--|-----------------|
| cc: Judge Lawrence Brenner | (w/o enclosure) |
| Judge Richard F. Cole | (w/o enclosure) |
| Judge Peter A. Morris | (w/o enclosure) |
| Troy B. Conner, Jr., Esq. | (w/o enclosure) |
| Ann P. Hodgdon | (w/o enclosure) |
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| Judith A. Dorsey, Esq. | (w/o enclosure) |
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| Thomas Y. Au, Esq. | (w/o enclosure) |
| Mr. Thomas Gerusky | (w/o enclosure) |
| Director, Pennsylvania Emergency Management Agency | (w/o enclosure) |
| Mr. Steven P. Hershey | (w/o enclosure) |
| Donald S. Bronstein, Esq. | (w/o enclosure) |
| Mr. Joseph H. White, III | (w/o enclosure) |
| David Wersan, Esq. | (w/o enclosure) |
| Robert J. Sugarman, Esq. | (w/o enclosure) |
| Martha W. Bush, Esq. | (w/o enclosure) |
| Spence W. Perry, Esq. | (w/o enclosure) |
| Atomic Safety and Licensing Appeal Board | (w/o enclosure) |
| Atomic Safety and Licensing Board Panel | (w/o enclosure) |
| Docket and Service Section | (w/o enclosure) |

PLANT DESIGN RESPONSE TO MEB 210.56

RESPONSE:

THE BELOW LISTED INSIDE CONTAINMENT INSTRUMENTATION LINES THAT ARE INACCESSIBLE FOR VISUAL INSPECTION DURING POWER ASCENSION TESTING WILL BE INCLUDED IN THE VIBRATION MONITORING PROGRAM.

- 1) R.P.V. LEVEL INDICATOR INSTRUMENTATION LINES.
- 2) MAIN-STEAM INSTRUMENTATION LINES USED FOR MONITORING MAIN-STEAM FLOW.
- 3) RCIC STEAM SUPPLY INSTRUMENT LINES USED FOR MONITORING STEAM FLOW.
- 4) CRD LINES.
- 5) MAIN STEAM SAMPLE LINES.

THE VIBRATION MONITORING PROGRAM FOR THE ABOVE LINES CONSISTS OF WALKDOWN BY STRESS ANALYSTS EXPERIENCED IN VIBRATION ASSESSMENT PRIOR TO POWER ASCENSION TESTING.

THE REVIEW IS TO INCLUDE PROPER SUPPORTING OF THE LINES NEAR THE MAIN LINE. AND AT THE CONCENTRATED MASSES.

PRIOR TO WALKDOWN THE STRESS ENGINEER WILL REVIEW THE MODE SHAPES AND PIPING ANALYTICAL RESPONSE TO THERMAL EXPANSION