



THE CLEVELAND ELECTRIC ILLUMINATING COMPANY

P.O. BOX 5000 - CLEVELAND, OHIO 44101 - TELEPHONE (216) 622-9800 - ILLUMINATING BLDG. - 55 PUBLIC SQUARE

Serving The Best Location in the Nation

MURRAY R. EDELMAN

VICE PRESIDENT
NUCLEAR

September 5, 1985

PY-CEI/NRR-0337 L

Mr. B. J. Youngblood, Chief
Licensing Branch No. 1
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Perry Nuclear Power Plant
Docket Nos. 50-440; 50-441
ASME Code Class 1 Pipe Breaks
Locations and Dynamic Effects -
Feedwater Line

Dear Mr. Youngblood:

This letter is provided in response to your request for additional information pertaining to ASME Code Class 1 Pipe Break Locations dated July 15, 1985. The branch connection to the feedwater line outside containment up to the reactor water clean-up (RWCU) line has been evaluated for dynamic effects (pipe whip and jet impingement) associated with a postulated pipe break. This break was treated as a terminal end break. The evaluation confirms that there are no adverse safety consequences from a terminal end break at this location.

We performed this particular evaluation as requested, however, we believe that it is highly unlikely for a break to occur at the point in question. The feedwater line is designed with large axial guides on either side of this branch connection and the branch line itself is further restrained by the size of the opening in the concrete wall through which it passes. Additionally, the branch connection contains a thermal sleeve to minimize thermal stress in this area.

Based upon these features and upon the independent evaluation discussed above, we believe this issue can be closed for Perry. Should you have any additional questions or concerns, please feel free to contact me.

Very truly yours,

Murray R. Edelman

Murray R. Edelman
Vice President
Nuclear Group

8509110130 850905
PDR ADOCK 05000440
A PDR

MRE:njc

cc: Jay Silberg, Esq.
John Stefano (2)
J. Grobe

Boat
1/0