



# 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*

Dalwyn R. Davidson  
VICE PRESIDENT  
SYSTEM ENGINEERING AND CONSTRUCTION

April 19, 1982

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



Perry Nuclear Power Plant  
Docket Nos. 50-440; 50-441  
Response to Draft SER  
Materials & Qualifications  
Engineering Branch

Dear Mr. Schwencer:

This letter and its attachment is submitted to provide revised responses to the concerns identified in the Draft SER for Materials & Qualifications Engineering.

It is our intention to incorporate these responses in a subsequent amendment to our Final Safety Analysis Report.

Very Truly Yours,

*Dalwyn R. Davidson*

Dalwyn R. Davidson  
Vice President  
System Engineering and Construction

DRD: mlb

cc: Jay Silberg  
John Stefano  
Max Gildner

13001  
5/11

8204210104 820419  
PDR ADDCK 05000440  
E PDR

123.3

To demonstrate the surveillance capsule program complies with Paragraphs II.B and II.C of Appendix H.

- (a) Provide a sketch showing the azimuthal location of each material surveillance capsule.
- (b) Identify each plate specimen in each capsule by heat number and chemical composition, especially copper and phosphorus.
- (c) Identify each weld specimen in each capsule by weld wire type and heat, flux type, lot identification, and chemical composition, especially copper and phosphorus.
- (d) Identify the lead factor for each surveillance capsule.

Response

The most limiting plate and weld material is identified in FSAR Section 5.3.1.6.3. Review of the documentation has confirmed that the surveillance specimens were taken from the most limiting plate material. A similar documentation review for the weld material has confirmed the limiting beltline weld material is included in the RPV surveillance capsule. Certified test reports for the plate and weld material available for review.

The chemical analyses for all of the beltline materials are provided in Table 5.3-1. The surveillance specimens were taken from the RPV beltline area and the sample capsules are located at 3°, 177°, and 183°. By symmetry the lead factor for each capsule is expected to be the same with respect to the vessel. These values will be provided in a later amendment.