



THE CLEVELAND ELECTRIC ILLUMINATING COMPANY

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MURRAY R. EDELMAN
VICE PRESIDENT
NUCLEAR

August 24, 1984
PY-CEI/NRR-0136 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
Confirmatory Issue Nos. 11 & 12
Fuel Issues

Dear Mr. Youngblood:

This letter is provided in response to Confirmatory Issue No. 11 on Fuel Rod Mechanical Fracturing and Confirmatory Issue No. 12 on Fuel Assembly Structural Damage from External forces. In your letter dated December 8, 1983 and in the Perry Safety Evaluation Report (SER) Supplement No. 4 (Section 4.2) you requested that we perform a plant-specific analysis of Perry fuel rod mechanical fracturing and of fuel assembly structural damage from external forces, using the staff approved GE Topical Report NEDE-21175-P, Rev. 3.

This analysis has been performed and the results are provided in the Final Safety Analysis Report (Table 3.9-3s.) of Amendment No. 14 dated August 22, 1984. A copy of the FSAR Table is attached for your information. We believe this information should resolve your staff's concerns and provide for resolution of Confirmatory Issues No. 11 and 12 in the next supplement to the Perry SER.

If you have any questions, please feel free to call.

Very truly yours,

Murray R. Edelman
Vice President
Nuclear Group

MRE:njc

cc: J. Silberg, Esq.
J. Stefano
J. Grobe

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PERRY FSAR

TABLE 3.9 - 3S (continued)

FUEL ASSEMBLY (INCLUDING CHANNEL)

<u>Acceptance Criteria</u>	<u>Loading</u>	<u>Primary Load Type</u>	<u>Calculated Peak Acceleration</u>	<u>Evaluation Basis Acceleration</u>
Acceleration Envelope	Horizontal Direction:	Horizontal Acceleration	1.9 G	(1)
	1. Peak Pressure			
	2. SSE			
	3. DBA			
	Vertical Direction:	Vertical Acceleration	3.5 G	(1)
	1. Peak Pressure			
	2. SSE			
	3. DBA			

NOTES:

- (1) Acceleration Bases and Evaluation Bases are contained in NEDE-21175-3-P.
- (2) The calculated maximum fuel assembly gap opening for the most limiting load combination is 0.038 inch

3.9-225

Am. 14 (8-22-84)