



Docket No.: 50-346

NOV 14 1975

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Toledo Edison Company  
 ATTN: Mr. Lowell E. Roe  
 Vice President  
 Facilities Development  
 Edison Plaza  
 300 Madison Avenue  
 Toledo, Ohio 43652

Gentlemen:

The additional information requested in the enclosure to this letter will be required for our completion of the Davis-Besse, Unit 1 review.

Mr. L. Engle (Licensing Project Manager) discussed these matters with Mr. E. Novak (General Superintendent of Power and Construction) on September 18, 1975.

In order to maintain our licensing schedule, we will need your responses to the enclosure by December 5, 1975. If you cannot meet the response date, please inform us within seven days after receipt of this letter so that we may revise our scheduling.

Please contact us if you have any questions regarding the enclosure to this letter.

Sincerely,

*[Handwritten signature]*

A. Schwencer, Chief  
 Light Water Reactors Branch 2-3  
 Division of Reactor Licensing

Enclosure:  
 Request for Additional  
 Information

ccs: See next page

**POOR ORIGINAL**

OFFICE →	x7886/LWR2-3	C-LWR2-3:RL				
SURNAME →	L. Engle <i>LE</i>	A. Schwencer <i>AS</i>				
DATE →	11/14/75	11/14/75				

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Toledo Edison Company

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ccs: Donald H. Mauser, Esq.  
The Cleveland Electric  
Illuminating Company  
P. O. Box 5000, Room 610  
Cleveland, Ohio 44101

Gerald Charnoff, Esq.  
Shaw, Potts, Pittman  
& Throwbridge  
910 17th Street, N.W.  
Washington, D.C. 20006

Leslie Henry, Esq.  
Fuller, Seney, Henry & Hodge  
300 Madison Avenue  
Toledo, Ohio 43604

OFFICE ➤						
SURNAME ➤						
DATE ➤						

ACCIDENT ANALYSIS BRANCH

In order to assess the degree of comparability of protection against tornado missiles provided by the Davis-Besse 1 design accepted at the CP stage of review with that provided by designs currently under review, submit the following information for all Category I structures and appurtenances with walls or roofs less than 2 feet thick, considering the spectrum of missiles listed below.

1. For each significantly different vertical or horizontal surface thickness, identify the approximate velocity below which penetration and the generation of secondary missiles is not calculated to occur, for at least Missile F below 30 feet elevation and Missile C for all elevations.
2. If you have relied on separation of redundant components for missile protection, please provide in a tabular form all instances where systems vital to safe shutdown are not protected by barriers. Describe the physical separation with respect to missiles from both horizontal and vertical directions. Provide the inherent capability of each unprotected vital system in the manner indicated in Item 1 above.

Missile Spectrum

- A. Wood plank, 4 in. x 12 in. x 12 ft., weight 200 lb.
- B. Steel pipe, 3" diameter, schedule 40, 10' long, 78 lb.
- C. Steel rod, 1" diameter x 3' long, weight 8 lb.
- D. Steel pipe, 6" diameter, schedule 40, 15' long, 285 lbs.
- E. Steel pipe, 12" diameter, schedule 40, 15' long, 743 lbs.
- F. Utility pole, 13-1/2" diameter, 35' long, weight 1490 lbs.
- G. Automobile, frontal area 20 ft<sup>2</sup>, weight 4000 lbs.

POOR  
ORIGINAL