

Detroit
Edison

Wayne H. Jens
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Fermi-2
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Nuclear
Operations

August 30, 1985
RC-LG-85-0040

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

Dear Mr. Youngblood:

Reference: (1) Fermi 2
NRC Docket No. 50-341
NRC License No. NPF-43

(2) Detroit Edison to NRC Letter, "Comments
on SSER 5", NE-85-0711, dated June 3,
1985

Subject: Lake Breeze Effect for the Fermi Site

The reference committed to address the results of our study of the relationship between onsite meteorological measurements and Thermal Internal Boundary Layer (TIBL). The purpose of this letter is to comply with that commitment.

The Lake Breeze study for the Fermi site has been completed. The results of the study indicate that formation of a TIBL will affect the dispersion of radioactive releases from Enrico Fermi 2. A site specific equation has been developed for determining the height of the TIBL based on the use of solar radiation. Also, methodology has been developed for calculating a Dose Adjustment Factor (DAF) for use during lake breeze conditions. This methodology is incorporated in the manual method for calculating dose as well as the microcomputer - based RADOSE model. It is also being incorporated in the dose assessment model on the Emergency Response Information System.

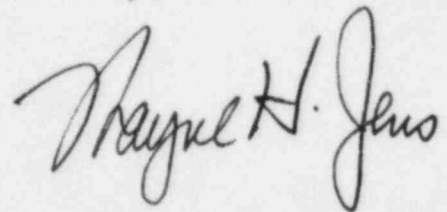
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Should you have any further questions, please contact
Mr. R. L. Woolley at (313) 586-4211.

Sincerely,

A handwritten signature in black ink, reading "Thayne H. Jens". The signature is written in a cursive style with a large, stylized "T" and "J".

cc: Mr. P. M. Byron
Mr. M. D. Lynch
USNRC Document Control Desk
Washington, D.C. 20555