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JOHN S. KEMPER
VICE-PRESIDENT
ENGINEERING AND RESEARCH

March 13, 1984

Docket Nos. 50-352
50-353

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

Subject: Limerick Generating Station, Units 1 and 2
Severe Accident Risk Assessment (SARA)

File: GOVT 1-1

Dear Mr. Schwencer:

It has just come to our attention that, in the process of converting meteorological data from computer tape to the input appropriate for the consequences computer program (CRAC2), certain errors were made which resulted in incorrect wind direction frequencies in the CRAC2 calculation. As a result, some corrections are required of the Severe Accident Risk Assessment (SARA) performed for Limerick. The corrections to be made will not affect the predicted frequency of accidents; they will affect only the predicted consequences. While the revised calculations have not been completed, it is estimated that the largest impact will be on the predicted latent cancer fatalities.

The existing results of SARA predict an individual cancer fatality risk of about one chance in one billion per year in the region within 50 miles of the plant due to potential severe accidents. It is anticipated that corrected results will predict that the chance has changed to one in seven hundred million per year. The individual cancer fatality risk from all causes other than Limerick is about one chance in five hundred per year.

Supplement 3 to the SARA report, which is planned to be submitted by April 10, 1984, will document the corrected data related to consequences as presented in Chapter 12, Results and Conclusions.

Sincerely,

John S. Kemper

cc: See Attached Service List

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cc: Judge Lawrence Brenner
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