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March 13, 1984

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Administrative Judge Lawrence Brenner  
Atomic Safety & Licensing Board  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Administrative Judge Peter A. Morris  
Atomic Safety & Licensing Board  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Administrative Judge Richard F. Cole  
Atomic Safety & Licensing Board  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

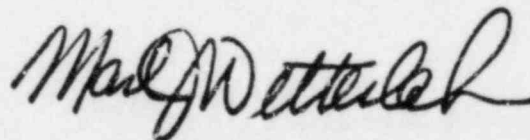
In the Matter of  
Limerick Generating Station, Units 1 and 2  
Docket Nos. 50-352 & 50-353

Gentlemen:

The attached letter documents the discovery of certain errors in the predicted consequences reported in Applicant's Severe Accident Risk Assessment. Applicant wishes to bring this matter to the attention of the Atomic Safety & Licensing Board and affected parties and participants, the NRC Staff, Limerick Ecology Action and the City of Philadelphia, as soon as possible in view of the forthcoming consideration of contentions related to the Staff's supplemental draft environmental impact statement. Because of differences in methodology and codes, the NRC Staff results do not appear to have been similarly affected. Applicant sees no reason why consideration of the admissibility of contentions cannot proceed as scheduled.

Any changes to the responses to the City of Philadelphia's informal discovery requests necessary by this development will be provided as soon as possible.

Sincerely yours,



Mark J. Wetterhahn  
Counsel for Applicant

MJW/pkc  
Attachment  
cc: See Attached Service List

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PDR ADOCK 05000352  
G PDR

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cc: Judge Lawrence Brenner \*  
Judge Peter A. Morris \*  
Judge Richard P. Cole \*  
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Mr. Robert L. Anthony  
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Appeal Board  
Atomic Safety & Licensing  
Board Panel  
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James Wiggins  
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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,

cc: See Attached Service List