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JUN 29 1983

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

Docket Nos. 50-352  
50-353

Subject: Limerick Generating Station, Units 1&2  
Request for Additional Information  
from NRC Chemical Engineering Branch (CMEB)

Reference: Telecon, J. T. Robb and D. R. Helwig (PECO)  
and R. E. Martin and F. Witt (NRC),  
June 28, 1983

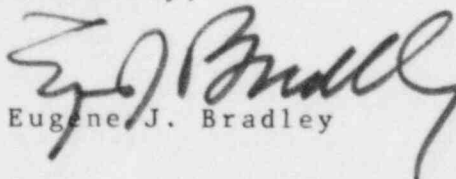
File: GOVT 1-1 (NRC)

Dear Mr. Schwencer:

Enclosed is a draft revision to page 11.5-39 of the Limerick  
FSAR containing information requested by CMEB in the reference  
telecon.

The information contained in this draft FSAR page change  
will be incorporated into the FSAR, exactly as it appears in  
the enclosure, in the revision scheduled for August, 1983.

Sincerely,

  
Eugene J. Bradley

HDH/gra

Enclosures

Copy to: See Attached Service List

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PDR ADOCK 05000352  
A PDR

Boo!  
//

cc: Judge Lawrence Brenner (w/o enclosure)  
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Atomic Safety and Licensing Appeal Board (w/o enclosure)  
Atomic Safety and Licensing Board Panel (w/o enclosure)  
Docket and Service Section (w/o enclosure)

## 11.5.5.4.4 Gas Analysis-Gas Chromatography

A gas chromatograph will be used to measure hydrogen and oxygen concentrations in containment atmosphere and dissolved gas samples.

- a. Dissolved hydrogen concentrations - - An accuracy of +10 percent can be expected over the range of concentrations from 50 to 2000 cc/Kg. Below 50 cc/Kg, the accuracy will be +0.05 cc/Kg. Gas chromatography has been successfully demonstrated for the determination of hydrogen in TMI-2 post-accident gas samples.
- b. Dissolved oxygen concentrations - - Dissolved oxygen will be measured indirectly using the residual hydrogen method of analysis. Using this method, dissolved oxygen concentration is verified to be less than 0.1 ppm by measurement of positive hydrogen residuals of greater than 10 cc/Kg.

## 11.5.5.4.5 Determination of Extent of Core Damage

<sup>GENERIC</sup>  
A procedure to assess the extent of core damage based on radionuclide concentrations and other parameters has been prepared by GE ~~and will be used at Limerick~~ ←

INSERT (A)

## 11.5.5.4.6 Storage and Disposal of Sample

Short-term sample storage areas will be provided in the chemistry laboratory and counting room facilities. An area for long-term storage of the samples will be designated at a later date. Low level wastes generated by the chemistry procedures will be flushed to radwaste. Ultimate procedures for disposal of the samples will be determined later; however, after a sufficiently long decay period, the activity levels will be significantly reduced. This will ease exposure problems during disposal.

## 11.5.5.4.7 System Testing and Operator Training

Equipment used for post-accident sampling and analyses will be calibrated or tested approximately every six months. At least five members of the onsite organization will participate in sampling operations within any 6-month period.

INSERT (A), PG. 11.5-39

AND TRANSMITTED TO THE NRC BY THE BWR OWNERS GROUP VIA LETTER BWROG-8324, FROM T.J. DENTE TO D.G. EISENHUT, DATED JUNE 17, 1983. A LIMERICK PROCEDURE BASED ON THIS METHODOLOGY WILL BE PREPARED PRIOR TO FUEL LOADING.