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May 13, 1983

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

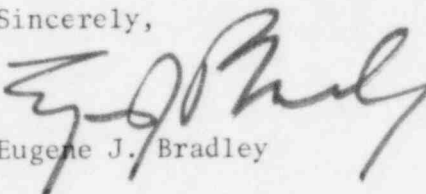
Subject: Limerick Generating Station, Units 1 and 2
Open Item from the Hydrologic & Geotechnical
Engineering Branch (HGEB)

Dear Mr. Schwencer:

The attached draft change to FSAR Section 9.2.6.4.2.2 is being made as a result of a telephone conversation with Mr. Martin of your staff and Mr. Wescott of HGEB on April 20, 1983.

This draft change will be formally incorporated into the FSAR revision scheduled for June, 1983.

Sincerely,



Eugene J. Bradley

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cc: See Attached Service List

Boo1

cc: Judge Lawrence Brenner (w/o enclosure)
Judge Richard F. Cole (w/o enclosure)
Judge Peter A. Morris (w/o enclosure)
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Rodney D. Johnson (w/o enclosure)
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)

Replace existing Section 9.2.6.4.2.2 with the following:

9.2.6.4.2.2

Natural evaporation of the Spray Pond was based on the meteorology selected in accordance with Regulatory Guide 1.27, Revision 2, and a constant pond surface area of 9.6 acres. The water loss due to natural evaporation is shown in Table 9.2-13. This is conservative since the average surface area over the 30-day accident scenario is less than 9.6 acres, and the effect of the sprays suppressing evaporation is not taken into account.

The evaporation calculation was based on the methodology of Reference 9.2-5.

REFERENCE 9.2-5

Ryan, P. J., and Harleman, D.R.F. "An Analytical and Experimental Study of Transient Cooling Pond Behavior", Ralph M. Parsons Laboratory for Water Resources and Hydrodynamics, Report No. 161, MIT Press, January, 1973.

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