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March 10, 1986

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Attention: Mr. John F. Stolz, Project Director
PWR Project Directorate No. 6

Subject: Oconee Nuclear Station
Docket Nos. 50-269, -270, -287
IE Bulletin 80-11

Dear Sir:

By letter dated March 14, 1985, the NRC transmitted a Safety Evaluation Report for the Oconee Nuclear Station Masonry Wall under IE Bulletin 80-11. This SER concluded that, with the exception of the use of arching action theory, Duke Power Company (Duke) had satisfied the requirements of IE Bulletin 80-11 for the Oconee Nuclear Station. A separate SER concerning the use of the arching action theory is to be issued by the NRC after evaluation of the results of the test program.

In an October 5, 1984 submittal, Duke proposed a confirmatory test program on the arching action methodology. By letter dated December 4, 1984, the NRC staff found the test program acceptable with the exception that six prisms should be tested per wall panel. By letter dated January 7, 1985, Duke agreed to test six prisms per wall panel. The testing as outlined in the proposal was concluded in July, 1985.

Attached (Attachment 1) for NRC staff review are copies of the three proprietary test reports on the arching action confirmatory test program. Test Reports #R561-70-05 and #R561-70-06 present the test results for walls 0, 1 and 2 and walls 3 and 4 respectively. Test Report #R561-70-07 provides a correlation of these test results with the arching theory and Duke's Methodology. A copy of the non-proprietary version of the above reports are, also, attached (Attachment 2). An affidavit, in accordance with 10 CFR 1.790 requirements, addressing the basis on which the information contained within the above test reports is to be withheld from public disclosure by the commission will be provided at a later date.


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Submittal of the above referenced test reports completes Duke's commitment as outlined in the Masonry Wall Confirmatory Test Program Proposal.

Very truly yours,



Hal B. Tucker

cc: Dr. J. Nelson Grace, Regional Administrator
U. S. Nuclear Regulatory Commission
Region II
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30323

Ms. Helen Nicolaras
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Mr. J. C. Bryant
NRC Resident Inspector
Oconee Nuclear Station

Duke Power Company
Oconee Nuclear Station

Attachment 2

Non-Proprietary Test Reports

Test Report No. R561-70-05
Test Report No. R561-70-06
Test Report No. R561-70-07