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SUBJECT: Concludes that control room intake should be relocated. Reanalysis of assumptions & SRP Section 6.4 operator occupancy factors indicates distance for acceptable dispersion to be 13 meters from any containment surface.

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August 14, 1987

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, D.C. 20555

Subject: Oconee Nuclear Station
Docket Nos. 50-269, -270, -287
Control Room Habitability

Gentlemen:

By letter dated January 8, 1987 Duke responded to a November 24, 1986 NRC safety evaluation concerning NUREG-0737 Item III.D.3.4 "Control Room Habitability." Within the response, Duke proposed conducting a test program to develop site specific atmospheric dilution factors in lieu of relocating the intake structure.

Based upon further consideration of the applicable Murphy-Campe methodology, Duke has concluded that the Unit 1 and 2 control room intake and the Unit 3 control room intake should be relocated. Reanalysis utilizing all previously transmitted assumptions and accepting Standard Review Plan (SRP) Section 6.4 operator occupancy factors has indicated that the calculated distance for acceptable dispersion is at least thirteen (13) meters from any containment surface to the control room intake.

Prior to relocation of the control room intakes, Duke would need to obtain NRC concurrence on the acceptability of this relocation. Given NRC concurrence prior to November 15, 1987 Duke will provide a schedule for implementation of modifications to relocate the control room intakes to the NRC by January 1, 1988. Otherwise, Duke will provide the schedule within 60 days following NRC concurrence.

Duke will continue to work with the Staff in seeking final resolution to this NUREG-0737 item.

Very truly yours,

Hal B. Tucker/JGF

Hal B. Tucker

PJN/216/jgc
Attachment

A003
1/0

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