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AUTH. NAME AUTHOR AFFILIATION
 TUCKER, H. B. Duke Power Co.
 RECIP. NAME RECIPIENT AFFILIATION
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SUBJECT: Responds to 861124 safety evaluation re NUREG-0737 TMI Action Item III.D.3.4, "Control Room Habitability." Test program proposed to develop site specific atmospheric dilution factors in lieu of relocating intake structure.

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DUKE POWER COMPANY

P.O. BOX 33189
CHARLOTTE, N.C. 28242

HAL B. TUCKER
VICE PRESIDENT
NUCLEAR PRODUCTION

TELEPHONE
(704) 373-4531

January 8, 1987

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

Subject: Oconee Nuclear Station
Docket Nos. 50-269, -270, -287
NUREG 0737, Item III.D.3.4
Control Room Habitability

Gentlemen:

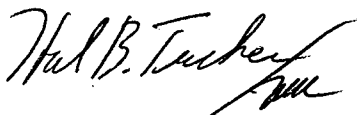
By letter dated November 24, 1986, the NRC transmitted to Duke a safety evaluation (SE) concerning NUREG 0737 Item III.D.3.4 "Control Room Habitability". Within the SE, the Staff concluded that in order to decrease the dose to control room operators, the control room air intake should be moved to a location further away from the containment building. This would result in decreasing the atmospheric dilution factors.

In response, Duke proposes to conduct a test program to develop site specific atmospheric dilution factors in lieu of relocating the intake structure. This program will consist of a wind tunnel model test to quantify the control room intake dispersion value. Prior to proceeding with the test program, Duke would need to obtain NRC's concurrence on the acceptability of this method to resolve this item and how the results of the test program will be utilized. Duke is willing to meet with members of the NRC Staff to further discuss this issue.

In addition, the staff also concluded that the control room be tightened so that it can be pressurized to reduce infiltration leakage paths. Duke is continuing to perform modifications to tighten the control room with the objective of achieving one-eighth inch water gauge positive pressure in the control room relative to the Turbine Building.

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

Very truly yours,



Hal B. Tucker
PJM/108/jgm

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January 8, 1987

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

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

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