DUKE POWER COMPANY
P.O. BOX 33189
CHARLOTTE, N.C. 28242

HAL B. TUCKER
VICE PRESIDENT
NUCLEAR PRODUCTION

TELEPHONE
(704) 373-4531

July 5, 1984

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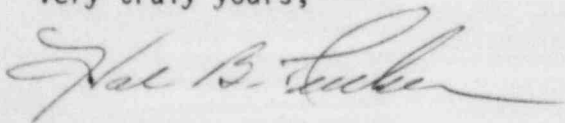Washington, D. C. 20555

Attention: Ms. E. G. Adensam, Chief
Licensing Branch No. 4

Re: Catawba Nuclear Station, Unit 1
Docket No. 50-413

Dear Mr. Denton:

On June 25, 1984, Duke Power Company submitted the "Reactor Containment Building Integrated Leak Rate Test" for Catawba Nuclear Station, Unit 1. As noted in that document, the containment atmosphere hydrogen level transmitter penetration leak rate would be submitted later. This leak rate test has now been completed. Results of the leak rate test and its effect on the Integrated Leak Rate Test are listed on the attached page.

Very truly yours,

Hal B. Tucker

ROS/php

Attachment

cc: Mr. James P. O'Reilly
Regional Administrator
U. S. Nuclear Regulatory Commission
Region II
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30323

NRC Resident Inspector
Catawba Nuclear Station

Robert Guild, Esq.
Attorney-at-Law
P. O. Box 12097
Charleston, South Carolina 29412

Palmetto Alliance
2135½ Devine Street
Columbia, South Carolina 29205

Mr. Jesse L. Riley
Carolina Environmental Study Group
854 Henley Place
Charlotte, North Carolina 28207

800
1/1

Section VI.D.3.b

Penetration	System	Leakage (SCCM)	$\times\ 2.1476 \times 10^{-8}\ \dfrac{\%/Day}{SCCM}$	Leakage = %/Day
Cont. Atmos. H_2 Level Xmitter Penetrations (4)	MI	10.4	$\times\ 2.1476 \times 10^{-8}$	$= 2.2335 \times 10^{-7}$

Total L_{aux} is now revised to equal:

$$L_{aux} = 7.5776 \times 10^{-6}\ \%/Day$$

$$L_{am} = LR\ (95\%) + L_{aux}$$

$$= 0.1107552\%/Day + 0.0000076\ \%/Day$$

$$= 0.1107628\ \%/Day$$

Section VI.D.4.b

$$L_{tm} = LR\ (95\%) + L_{aux}$$

$$= 0.0677562\ \%/Day + 0.0000076\ \%/Day$$

$$= 0.0677638\ \%/Day$$

Section VI.E

L_t remains at 0.122%/Day. The effect of the additional leakage from the MI penetrations is negligible.

Section VI.F

Test	Final Conservative Test Results
TP/1/A/1200/16B, Additional Containment Isolation Valve Leak Rate Test	201.91 SCCM $= 4.3362 \times 10^{-6}\ \%/Day$