

DUKE POWER COMPANY

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HAL B. TUCKER
VICE PRESIDENT
NUCLEAR PRODUCTION

TELEPHONE
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July 5, 1984

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

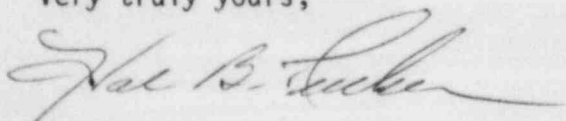
Attention: Ms. E. G. Adensam, Chief
Licensing Branch No. 4

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

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ATTACHMENT

Section VI.D.3.b

<u>Penetration</u>	<u>System</u>	<u>Leakage (SCCM)</u>	$\times 2.1476 \times 10^{-8} \frac{\%}{\text{Day}} \frac{\text{SCCM}}{\text{SCCM}}$	<u>Leakage = $\frac{\%}{\text{Day}}$</u>
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:

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

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

$$= 0.1107552 \%/ \text{Day} + 0.0000076 \%/ \text{Day}$$

$$= 0.1107628 \%/ \text{Day}$$

Section VI.D.4.b

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

$$= 0.0677562 \%/ \text{Day} + 0.0000076 \%/ \text{Day}$$

$$= 0.0677638 \%/ \text{Day}$$

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
TP/1/A/1200/16B, Additional
Containment Isolation Valve
Leak Rate Test

Final Conservative Test
Results

$$201.91 \text{ SCCM} \\ = 4.3362 \times 10^{-6} \%/ \text{Day}$$