

DUKE POWER COMPANY

P.O. BOX 33189
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HAL B. TUCKER
VICE PRESIDENT
NUCLEAR PRODUCTION

TELEPHONE
(704) 373-4531

September 14, 1982

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

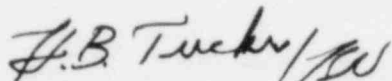
Attention: Ms. E. G. Adensam, Chief
Licensing Branch No. 4

Re: Catawba Nuclear Station
Docket Nos. 50-413 and 50-414

Dear Mr. Denton:

My letter of August 12, 1982 transmitted a summary of the ultimate capacities of the Catawba containment vessel penetrations. Information on the purge penetration isolation valves was not available at that time. Duke is revising the specification for these valves to require that the valves maintain containment integrity at the ultimate capacity of 72 psig. The vendor (Fisher Controls, Inc.) will provide Duke with analyses certifying the valves for these requirements. Attachment 1 is a revised summary of containment penetration ultimate capacities.

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, Suite 3100
Atlanta, Georgia 30303

Mr. P. K. Van Doorn
NRC Resident Inspector
Catawba Nuclear Station

Mr. Robert Guild, Esq.
Attorney-at-Law
314 Pall Mall
Columbia, South Carolina 29201

Boo!

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cc: Palmetto Alliance
2135½ Devine Street
Columbia, South Carolina 29205

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

Mr. Henry A. Presler, Chairman
Charlotte-Mecklenburg Environmental Coalition
943 Henley Place
Charlotte, North Carolina 28207

CATAWBA NUCLEAR STATION
 ULTIMATE CONTAINMENT CAPACITY
 ANALYSIS SUMMARY

<u>Location</u>	<u>Ultimate Internal Pressure (PSI)</u>	<u>Criterion</u>
1. Containment Shell	72	Nonlinear Axisymmetric Analysis
2. Base Anchorage	81	Concrete Shear
3. Penetrations		
a. Personnel Air Lock	79	Plastic Moment in Bulkhead
b. Equipment Hatch	94	Tensile Failure of Hatch Cover Flange
c. Spare Penetrations	1275	Yield of Pipe Cap
d. Electrical Penetrations	> 72	Connector Module Leakage
e. Bellows Assemblies	> 72	Manufacturer's Recommendation
f. Purge Penetrations	> 72	Specified to Manufacturer