

P. O. BOX 33189

DUKE POWER COMPANY
GENERAL OFFICES
422 SOUTH CHURCH STREET
CHARLOTTE, N. C. 28242

TELEPHONE: AREA 704
373-4011

August 12, 1982

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

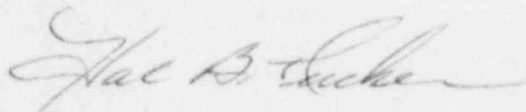
Attention: Ms. E. G. Adensam, Chief
Licensing Branch No. 4

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

Dear Mr. Denton:

As a result of a June 4, 1982 meeting with the Structural Engineering Branch, Duke Power agreed to provide the ultimate capacities of the Catawba containment vessel penetrations. Attachment 1 is a summary of the Catawba ultimate capacity analysis. Please note that information on the purge penetration isolation valves was not available and will be provided by August 31, 1982.

Very truly yours,



H. B. Tucker, Vice President
Nuclear Production Department

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
CONTAINMENT ULTIMATE CAPACITY
ANALYSIS SUMMARY

<u>LOCATION</u>	<u>ULTIMATE INTERNAL PRESSURE (PSI)</u>	<u>CRITERION</u>
Containment Shell	72	Nonlinear Axisymmetric Analysis
Base Anchorage	81	Concrete Shear
Penetrations		
a. Personnel Airlock	79	Plastic Moment In Bulkhead
b. Equipment Hatch	94	Tensile Failure of Cover Flange
c. Spares	1275	Yield of Spare Cap
d. Bellows Assemblies	>72	Manufacturer's Recommendation
e. Electrical Penetration Assemblies	>72	Leak in Connector Module
f. Purge Penetration Isolation Valves	Later	