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

WILLIAM O. PARKER, JR.
VICE PRESIDENT
STEAM PRODUCTION

TELEPHONE: AREA 704
373-4083

May 6, 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:

During a March 10, 1982 conference call, Mr. Jim Lazevnick, NRC/ONRR - Power Systems Branch, requested additional information regarding Catawba FSAR question 430.17. The requested information is attached.

Very truly yours,

William O. Parker, Jr.

William O. Parker, Jr.

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Attachment

cc: Mr. James P. O'Reilly
Mr. P. K. Van Doorn
Mr. R. Guild
Palmetto Alliance
Mr. J. L. Riley
Mr. H. Pressler

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ADDITIONAL INFORMATION REGARDING

FSAR ROUND 1 QUESTION #430.17

1. Overview description of the Catawba Nuclear Station's diesel generator load sequencing systems.

   Each sequencing system is enclosed in two "double door" cabinets mounted on the floor, side by side, in the respective train related diesel engine tunnel.
   (The tunnels are the passages which connect the auxiliary building with the diesel rooms.)

   The internal sequencer logic is derived primarily by the use of Cutler Hammer brand electro-mechanical relays (Type M).

   Other devices utilized for sequencer logic and operator interfaces (testing and reset functions) are as follows:

   a) Cutler Hammer brand type E-30 switches.
   b) Cutler Hammer brand type E-20 switches.
   c) Cutler Hammer brand solid state timers type AE.
   d) Agastat brand solid state timers (with electro-mechanical relay output) type SSC.
   e) ITE brand instantaneous undervoltage relays type 27H.

2. Sequencer Reliability and Qualifications.

   The Catawba diesel generator load sequencing systems are very similar in basic design and constituent parts to the McGuire Nuclear Stations sequencers.

   The minor differences that exist between the two plants sequencers are due to:

   a) Variations in mechanical systems.
   b) Variations in electrical auxiliary power systems.
   c) State of the art components becoming available.

   All equipment utilized in the construction of the diesel generator load sequencers is qualified for use in Nuclear Safety Class 1E applications. These equipment qualifications are in accordance with the Duke Power Company Design Engineering Department Quality Assurance Program as listed in the Quality Assurance Manual.

   All material relating to equipment qualification and reliability is available for review or audit.