



DUKE POWER COMPANY

POWER BUILDING

422 SOUTH CHURCH STREET, CHARLOTTE, N. C. 28242

WILLIAM O. PARKER, JR.  
VICE PRESIDENT  
STEAM PRODUCTION

September 5, 1978

TELEPHONE: AREA 704  
373-4083

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

Subject: Duke Power Company  
10CFR Part 21  
Request for Exemption

Re: Docket Nos: 50-269, -270, -287  
50-369, -370  
50-413, -414

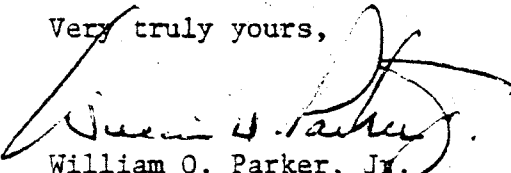
Dear Sir:

Pursuant to 10CFR Part 21, §21.7, please find attached an exemption request with regard to Cutler-Hammer, Inc. from the requirements of 10CFR 21. This request concerns the procurement of various standard stock items.

Duke Power Company currently has approximately 25 purchase orders for relays and other material pending with Cutler-Hammer. These orders represent 269 relays and several hundred switches, push buttons, and other standard stock items for use in safety related equipment which are required at Oconee, McGuire, and Catawba Nuclear Stations. Delays incurred in procurement of these relays, while not currently affecting the operation of Oconee significantly, impact the construction schedule at McGuire and Catawba. Additionally, Oconee Unit 2 will be shutdown for refueling in November 1978 and more relays will be required to be obtained and installed. It is therefore, requested that this exemption be granted on a generic basis for use at Oconee, McGuire and Catawba Nuclear Stations by October 2, 1978.

Based on discussions with the staff in the NRC Licensing and Fee Branch, no fees have been provided with this submittal. One hundred and twenty copies of this request, 40 for the respective dockets of each station affected, are provided.

Very truly yours,

  
William O. Parker, Jr.

RLG:scs  
Attachments (120)

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LIST

DUKE POWER COMPANY

Request for Exemption Pursuant to 10CFR21.7  
on behalf of  
Cutler-Hammer, Inc.

Duke Power Company hereby requests with regard to Cutler-Hammer, Inc. a permanent exemption from the requirements of 10CFR21, "Reporting of Defects and Noncompliance," for the parts obtained by Cutler-Hammer, Inc. from sub-tier suppliers and which are utilized in the manufacture of standard stock items, including Type M DC Relays.

Cutler-Hammer provides Duke Power several different types of standard stock items (relays, switches, indicating lights) which are utilized in safety related systems and to which the requirements of 10CFR21 therefore apply. Included in these items are Type M DC Relays. These relays, which were procured during Oconee construction as specific design relays, are currently standard stock items. In addition to use at Oconee, these relays are being installed in McGuire Nuclear Station and Catawba Nuclear Station, both of which are presently under construction. Delays in procurement of relays and other items manufactured by Cutler-Hammer are impacting significantly on the respective construction schedules.

Procurement of relays under new purchase orders, processed since the inception of 10CFR21, has not been possible. Cutler-Hammer is unable to fully comply with the requirements of 10CFR21 with respect to subparts obtained from other vendors and used in the manufacture of the relay.

The use of any other relay is not practical or feasible. At Oconee, the particular circuit design and hardware configuration of the affected circuits requires the use of a particular style of relay that only Cutler-Hammer manufactures. Exact replacement relays which can be installed in the circuits without design changes and which fully meet the applicable qualification criteria are not available from any other vendor. Similar requirements exist at McGuire and Catawba.

The vendor has stated that the expense of providing the required documentation necessitated by 10CFR21 has caused the cost of a standard catalog item to become prohibitive. While Cutler-Hammer will comply with the requirements of 10CFR21 for the finished relay and other standard stock items it manufactures, compliance by sub-tier suppliers who manufacture parts used in the item is not possible. For the relay, these parts include various springs, lugs, screws and molded plastic components which are standard industry wide. Other standard stock items, such as switches, are similarly affected.

Several thousand of these relays are in use in the Duke Power generation system, as well as Oconee Nuclear Station. Any problems with the operation of the relay, would be detected via normal operation and through periodic testing and maintenance procedures. All relays supplied to Oconee are operationally tested by

the vendor prior to shipment. Additionally, quality control procedures at each station assure that the relays are fully operational prior to installation. Periodic surveillance tests provide additional assurances that the relays and the safety-related systems in which they are installed function properly.

As the licensee, Duke Power is required by Technical Specifications and 10CFR21 to report degradation of any safety-related system or component. Cutler-Hammer, as vendor of the final individual component (relay or other standard stock item) fully complies with the documentation and reporting requirements of 10CFR21. Thus, any defect in these relays which could cause a degradation of the associated safety-related system would be reported and positive measures taken to assure the continued safety of the public.

It is the position of Duke Power Company that this proposed exemption is in the public interest and will not endanger life, property or the common defense and security.