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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

Docket Nos. 50-369
and 50-370

Mr. William O. Parker, Jr.
Vice President - Steam Production
Duke Power Company
Post Office Box 33189
422 South Church Street
Charlotte, North Carolina 28242

Dear Mr. Parker:

Subject: ONSITE EMERGENCY DIESEL GENERATOR RELIABILITY
McGuire Nuclear Station, Units 1 & 2

We have reviewed your letter of April 3, 1980, in which you discuss the recommendations of NUREG/CR-0660, "Enhancement of Onsite Emergency Diesel Generator Reliability". On the basis of our review we conclude that there is sufficient assurance of diesel generator reliability to warrant unrestricted plant operation through the first refueling period. However, to assure long reliability of the diesel generator installations we require that the following design and procedural modifications be implemented prior to the first refueling:

1. Moisture in the Air Starting System: An air dryer is required for the air starting system.
2. Personnel Training: The depth and quality of training shall be at least equivalent to that of training programs normally conducted by major diesel engine manufacturers.
3. Automatic Prelube: The present AC power prelube pumps shall be alarmed on pump failure during standby lubrication.
4. Test Loading: The operating procedures shall be modified to require loading the engine up to a minimum of 25 percent of full load for one hour after eight hours of continuous no load operation, or as recommended by the D/E manufacturer.
5. Fuel Storage and Handling: Operating procedures shall be developed to assure that the day tank room sump has had all fuel oil pumped out in the event of a tank overflow.

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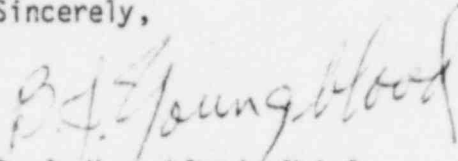
Mr. William O. Parker, Jr.
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Upon completion of the above changes and modifications, the design of the diesel generator and its auxiliary systems will be in conformance with recommendations of NUREG/CR-0660, and NRC guidelines and criteria. We therefore conclude that this will provide reasonable assurance of diesel generator reliability through the design life of the plant.

We do encourage you to implement the above design and procedural modifications at an early date. Please keep us advised of the status of this matter.

Sincerely,



B. J. Youngblood, Chief
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cc: See next page

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