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DUKE POWER

May 7, 1992

U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555

Subject: Catawba Nuclear Station, Unit 2  
Docket No. 50-414  
Twenty-second Quarterly Update to Startup Report

In accordance with Section 6.9.1.3 of the Catawba Nuclear Station Technical Specifications, find attached the twenty-second quarterly update to the Unit 2 Startup Report. Additional quarterly updates to the Startup Report will be submitted as required by the Technical Specifications.

Very truly yours,

M. S. Tuckman

CRI /22STUPSR

Attachment

xc: S. D. Ebnetter  
Regional Administrator, Region II

R. E. Martin, OLRR

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STARTUP REPORT QUARTERLY UPDATE  
CATAWBA UNIT 2 CYCLE 1  
May 7, 1992

TESTING COMPLETED DURING QUARTER

The 2B Diesel Generator piping was modified and tested. Vibration levels on the 2B Diesel Generator now meet the acceptance criteria.

STATUS OF TESTING NOT COMPLETE

STEADY STATE PIPING SYSTEMS OPERATIONAL VIBRATION MEASUREMENT -  
TP/2/A/1200/21

**Background**

This test was described in Sections 10.5 and 11.5 in the Startup Report. It is complete except for retesting of piping associated with the Diesel Generator Fuel Oil and Lube Oil systems. Additional restraints were installed during the EOC-1 refueling outage. However, further modifications were found to be necessary. Those modifications involved the replacement of rigid piping with flexible piping. Vibration testing following completion of the modification indicated that overall vibration levels had been reduced. However, vibration levels in isolated portions of the piping still exceed allowable criteria. These levels were evaluated and found to not constitute an imminent danger of failure. To resolve these isolated problems, modifications are planned which will result in a piping configuration similar to Unit 1. The modifications include replacement of non-standard fittings with standard fittings, deletion of unnecessary flanges, and valve relocation.

**Status**

NSM (Nuclear Station Modification) CN-20659 is complete for Diesel Generator 2B. Vibration levels are within allowable limits. The same modification is currently scheduled to be performed on 2A Diesel Generator on May 26, 1992.