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DUKE POWER

February 12, 1992

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

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

In accordance with Section 6.9.1.3 of the Catawba Nuclear Station Technical Specifications, find attached the twenty-first quarterly update to the Unit 2 Startup Report. As indicated in my November 13, 1991 letter, one test is not complete. Additional quarterly updates to the Startup Report will be submitted as required by the Technical Specifications.

Very truly yours,

M. S. Tuckman
Vice President

CRL/21STUPSR

Attachment

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

R. E. Martin, ONRR

W. T. Orders
Senior Resident Inspector

9202210375 920212
PDR ADOCK 05000414
R PDR

STARTUP REPORT QUARTERLY UPDATE
CATAWBA UNIT 2 CYCLE 1
February 12, 1992

TESTING COMPLETED DURING QUARTER

None.

STATUS OF TESTING NOT COMPLETE

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

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. These modifications were previously scheduled to be completed in the Unit 2 EOC4 refueling outage. It was later determined that an NSM (Nuclear Station Modification) was required due to the extent of the modifications. The design work for this NSM (CN-20659) is complete. The design work for the NSM resulted in a change to the modification that will allow the work to be done without an outage. Implementation should be completed during the second quarter of 1992.