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DUKE POWER

August 18, 1992

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

Subject: Catawba Nuclear Station  
Docket Nos. 50-413, 50-414  
Special Report  
Seismic Monitoring Instrumentation Inoperable

Pursuant to Technical Specifications 3.3.3.3 ACTION statement "a" and 6.9.2, find attached a Special Report concerning the inoperability of one of the Seismic Monitoring Instruments. The instrument was declared inoperable on July 14, 1992 and remained inoperable for more than 30 days.

Very truly yours,

M. S. Tuckman

CRL/SR81792.SEI

Attachment

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

R. E. Martin, ONRR

W. T. Orders  
Senior Resident Inspector

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## SPECIAL REPORT

### CATAWBA NUCLEAR STATION

#### SEISMIC MONITORING INSTRUMENT INOPERABLE

On July 14, 1992, during a routine calibration, a malfunction of one of the Catawba Nuclear Station (CNS) Seismic Monitoring Instruments was discovered. Failure to restore the instrument to operable status within the required period of thirty (30) days resulted in implementing a Special Report pursuant CNS Technical Specification 3.3.3.3.

At approximately 1100 hours on July 14, 1992, CNS Instrument and Electrical (IAE) Maintenance Personnel discovered water contaminating the containment building seismic monitoring device, Engdahl PSR1200 (1MIMT5050). Although the specific source of the water could not be determined, the water most likely came from a Decon washdown in containment. IAE Maintenance removed the water and attempted the calibration, but were unable to complete the procedure because the water damage was too severe. The unit was shipped back to the manufacturer to be remanufactured. The unit has not yet been received back from the manufacturer. When the unit does arrive back on site, it will be installed, calibrated, and returned to operable status.

The Engdahl seismic instruments operate as independent devices; therefore, a failure of one instrument does not render the entire Engdahl system inoperable. The other seismic monitoring system, Kinemetrics, is fully operational.