

Duke Power Company
Catawba Nuclear Generation Department
4800 Concord Road
York, SC 29745

Mr. REHN
Vice President
(803)831-3205 Office
(803)831-3426 Fax



DUKE POWER

July 28, 1994

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

Subject: Catawba Nuclear Station
Docket Nos. 50-413 and 50-414
Special Report
Meteorological Monitoring Instrumentation System

Pursuant to Technical Specification 3.3.3.4, find attached a Special Report concerning the inoperability of the Meteorological Monitoring Instrumentation System.

Very truly yours,

A handwritten signature in cursive script, appearing to read 'D. L. Rehn'.

D. L. Rehn

KEN/SRMETS.794

Attachment

cc: S. D. Fbnetter
Regional Administrator, Region II

R. E. Martin, ONRR

R. J. Freudenberger
Senior Resident Inspector

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SPECIAL REPORT

CATAWBA NUCLEAR STATION

DOCKET NOS. 50-413 and 5-414

Meteorological Monitoring Instrumentation System Inoperable

On July 11, 1994, during the Meteorological System weekly check, the delta-t channel on chart recorder (0EEBCR5010) was found to be out-of-tolerance. Failure to restore the channel to operable status within the required period of seven (7) days resulted in the implementation of Action Statement a. of CNS Technical Specification 3.3.3.4.

Work Order 94052645-01 was written on July 11, 1994, to investigate and repair the delta-t channel of this chart recorder. Troubleshooting began on July 13, 1994. Testing revealed that the Analog to Digital (A/D) Converter card in chart recorder 0EEBCR5010 was drifting. This failure was also affecting the Ambient Temperature, Dew Point Temperature, and Precipitation channel accuracies. A replacement card was ordered from a vendor, but could not be received and installed within the 7 day Technical Specification Action Statement time limit.

All four of the parameters listed above are sent to the Operator Aid Computer (OAC), and are available at the display terminals. These OAC channels are tested by the weekly system check, and were found to be operable and within tolerance. Therefore, all the Meteorological System channels were considered to be operable due to accurate readouts being available to control room personnel.

The A/D card was replaced on July 21, 1994. A recorder channel check was performed and a Meteorological System weekly check was executed under Work Order 94050866-01 and the delta-t channel chart recorder was declared operable.