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April 29, 1993

Docket No. 50-461

10CFR50.36

Nuclear Regulatory Commission  
Document Control Desk  
Washington, D.C. 20555

Subject: Special Report: Inoperability of the 60-Meter Wind Speed/Direction  
Indication Instrumentation at Clinton Power Station (CPS)

Dear Sir:

CPS Technical Specification 3.3.7.3, Action "a", requires inoperabilities of meteorological monitoring instrumentation channels for more than 7 days be reported to the Commission within the next 10 days pursuant to Technical Specification 6.9.2, SPECIAL REPORTS. The 60-meter wind speed instrumentation was inoperable from 1325 hours on April 13, 1993 until 2355 hours on April 26, 1993. This SPECIAL REPORT is being submitted in accordance with the CPS Technical Specifications to provide information regarding the cause of the malfunction and plans for restoring the instrumentation to OPERABLE status.

Cause of Malfunction

During a thunderstorm on April 13, 1993, meteorological tower instrumentation recorders in the main control room (with the exception of the 10 meter wind direction) lost indication. Immediate investigation by operations personnel determined that power was available to the instrumentation. Maintenance Work Request (MWR) D33574 was initiated to troubleshoot the failure and restore the equipment to OPERABLE status. Troubleshooting determined that the 60-meter wind speed sensor had been damaged by the storm and was loading down the 15 volt power supply. This caused the remaining indicators to read downscale on the Main Control Room recorders.

High wind and rain conditions prevented Control and Instrumentation (C&I) personnel from safely climbing the meteorological tower to replace the damaged 60-meter velocity sensor. However, C&I personnel were able to lift the leads for the 60-meter wind velocity sensor to allow the 15 volt power supply to feed the rest of the

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instrumentation. This allowed them to perform as much troubleshooting and repair from the ground as possible while waiting for the weather to clear.

In addition to the 60-meter wind speed/direction sensor failure, the following problems were found. The 10-meter wind direction recorder had a loose drive string resulting in erratic readings, the precipitation transmitter card had failed, and the differential temperature recorder was found to be out of calibration. The failed components were replaced and a complete channel calibration (per CPS Procedure 9437.14) was satisfactorily performed for the meteorological monitoring instrumentation. At 2355 hours on April 26, 1993, the meteorological monitoring instrumentation was declared OPERABLE.

Plans for Restoration

As stated above, the meteorological monitoring instrumentation was restored to OPERABLE status at 2355 hours on April 26, 1993. No further action is required.

Sincerely yours,



F. A. Spangenberg, III  
Manager-Licensing and Safety

CLJ/nls

cc: NRC Region III Regional Administrator  
NRC Clinton Licensing Project Manager  
NRC Resident Office  
Illinois Department of Nuclear Safety