



SUPPLEMENTARY INFORMATION TO  
LER 82-064/03 L-0

Licensee: Mississippi Power & Light Company  
Facility: Grand Gulf Nuclear Station  
Docket No: 50-416

During performance of the monthly channel functional test of the control room ventilation gas detection circuitry, the chlorine gas detector in the "A" channel failed to function as designed. The channel was declared inoperable.

T.S.3.3.7.8 requires that both channels be operable. Action statement "a" requires that one inoperable channel be restored within seven days or within the next six hours, initiate and maintain operation of at least one control room emergency filtration subsystem in the isolation mode of operation.

The chlorine detector is a Wallace Tiernan model 50-125. Investigation showed that the felt wick and glass capillary tube were plugged with debris. The debris was expected to be precipitants from the electrolyte solution. The detector was cleaned with the wick, activated charcoal filter, and filter pads replaced in accordance with the manufacturers maintenance manual.

This is considered an isolated incident and not a generic problem. The detector was calibrated and the system restored to operability TEN HOURS after the discovery of the failure.

This is a final report.