Attachment to AECM-82/471

CONTROL BLOCK:	ATION)
7 8 9 LICENSE CODE 14 15 LICENSE NUMBER 25 26 LICENSE TYPE 30 5 CON'T O 1 SOURCE 60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10	5 S 2 9
7 8 REPORT L 6 0 5 0 0 0 4 1 6 7 0 9 1 4 8 2 8 1 0 0 8 75 REPORT DATE EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10	8 2 9
	80
[0 2 Two independent chlorine detection systems were not operable per T.S.3.3.7.	
	8. Action
[0]3 [(a) of T.S.3.3.7.8 was entered. This is a reportable event under T.S.6.9.1	
0 4 There was no effect on the health and safety of the public and did not cons	titute a
[0] 5] [th: at plant safety.	
06	
071	
0 8	J 80
7 8 9 SYSTEM CAUSE CAUSE SUBCODE CODE SUBCODE SUBCODE SUBCODE SUBCODE T 1 N S T R U 14 E 15 Z 16	
LERIRO EVENT YEAR SEQUENTIAL REPORT NO. 17) REPORT NUMBER 8 2	NO.
ACTION FUTURE EFFECT SHUTDOWN HOURS 22 ATTACHMENT SUBMITTED FORM SUB. PRIME COMP. SUPPLIER SU	COMPONENT MANUFACTURER W 0 2 5 26
The cause was a chlorine gas detector failing due to clogging of the intern	al flow
paths. The detector was cleaned, repaired and returned to service within 1	0 hours
1 2 of discovery.	
1 3	
7 8 9 FACILITY STATUS % POWER OTHER STATUS 30 METHOD GF DISCOVERY DISCOVERY DESCRIPTION	32
7 8 9 10 10 12 13 NA B (31) Monthly Surveillance 7 8 9 44 45 46	80
RELEASE RELEASE AMOUNT OF ACTIVITY (35) NA NA NA NA NA NA NA	80
PER OF SEL EXPOSURES NUM E TYPE DESCRIPTION (39) NA NA	
7 8 9 12 13 (AT)	80
DESCRIPTION	
1 8 G G G G G A A A A A A A A A A A A A A	
	80
1 8 6 0 0 0 40 NA 7 8 9 11 12 LOSS OF O' DAMAGE TO FACILITY (43) TYPE ESCRIPTION NA NA	
1 8 6 0 0 0 40 NA 7 8 9 11 12 LOSS OF O' DAMAGE TO FACILITY 43 TYPE ESCRIPTION NA 7 8 9 10 PRIORZOLES PRIOR	USE ONLY

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.