

NRC Form 366  
(9-83)

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES 8/31/85

## LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Grand Gulf Nuclear Station - Unit 1												DOCKET NUMBER (2) 0 5 0 0 0 4 1 6				PAGE (3) 1 OF 0 2	
TITLE (4) Control Room Emergency Filtration System Actuates on False Chlorine Signal																	
EVENT DATE (5)			LER NUMBER (6)				REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)							
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES NA				DOCKET NUMBER(S) 0 5 0 0 0				
1	1	8	8	5	0 4 4	0	0	1 2 1 6 8 5					0 5 0 0 0				
OPERATING MODE (9) 4			THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)														
POWER LEVEL (10) 0 1 0 0			20.402(b)			20.405(c)			<input checked="" type="checkbox"/> 50.73(a)(2)(iv)			73.71(b)					
			20.405(a)(1)(i)			50.38(c)(1)			<input type="checkbox"/> 50.73(a)(2)(v)			73.71(c)					
			20.405(a)(1)(ii)			50.38(c)(2)			<input type="checkbox"/> 50.73(a)(2)(vii)			OTHER (Specify in Abstract below and in Text, NRC Form 366A)					
			20.405(a)(1)(iii)			50.73(a)(2)(i)			<input type="checkbox"/> 50.73(a)(2)(viii)(A)								
			20.405(a)(1)(iv)			50.73(a)(2)(ii)			<input type="checkbox"/> 50.73(a)(2)(viii)(B)								
20.405(a)(1)(v)			50.73(a)(2)(iii)			<input type="checkbox"/> 50.73(a)(2)(ix)											
LICENSEE CONTACT FOR THIS LER (12)																	
NAME Ronald W. Byrd/Licensing Engineer												TELEPHONE NUMBER AREA CODE 6 0 1 4 3 7 - 2 1 4 9					
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																	
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDs	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDs								
SUPPLEMENTAL REPORT EXPECTED (14)										EXPECTED SUBMISSION DATE (15)		MONTH	DAY	YEAR			
YES (If yes, complete EXPECTED SUBMISSION DATE) <input checked="" type="checkbox"/> NO																	

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

On November 18, 1985 at 1000, the Division 1 Control Room Emergency Filtration subsystem automatically switched to the isolation mode of operation as a result of a high chlorine concentration signal. This occurrence is reportable as an Engineered Safety Feature (ESF) automatic actuation.

The cause of the spurious trip could not be determined. Maintenance personnel investigated and verified that the instrument was within calibration. The system was returned to service on November 25, 1985 at 1600 hours.

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NRC Form 366A  
(9-83)

## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (8)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
Grand Gulf Nuclear Station - Unit 1	0 5 0 0 0 4 1 6 8 5	—	0 4 4	—	0 0	0 2 OF 0 2

TEXT (If more space is required, use additional NRC Form 366A's) (17)

A. Reportable Occurrence

On November 18, 1985 at 1000, the Division 1 Control Room Emergency Filtration subsystem automatically switched to the isolation mode of operation as a result of a high chlorine concentration signal. This occurrence is reportable as an Engineered Safety Feature (ESF) automatic actuation.

B. Initial Conditions

The plant was in operational mode 4, Cold Shutdown, due to a scheduled outage which began October 13, 1985.

C. Description of Occurrence

At 1000 on November 18, 1985, the chlorine detection system generated a high chlorine concentration signal to the Division 1 Control Room Emergency Filtration subsystem. The unit automatically switched to the isolation mode of operation. A grab sample of the atmosphere was obtained and analyzed to show that there was no chlorine present. The Division 1 channel of the chlorine detection system was declared inoperable and a Limiting Condition for Operation (LCO) was entered pursuant to Technical Specification 3.3.7.8.

D. Apparent Cause

The cause of the spurious trip could not be determined. Maintenance personnel investigated and verified that the instrument was within calibration.

E. Safety Assessment

The Division 1 Control Room Emergency Filtration subsystem switched to its emergency mode to protect plant operators from the results of an accident by recirculating, reconditioning, and filtering Control Room air. Thus there are no adverse safety consequences as a result of the actuation.



# MISSISSIPPI POWER & LIGHT COMPANY

*Helping Build Mississippi*

P. O. BOX 1640, JACKSON, MISSISSIPPI 39215-1640

December 16, 1985

NUCLEAR LICENSING & SAFETY DEPARTMENT

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

Gentlemen:

SUBJECT: Grand Gulf Nuclear Station  
Unit 1  
Docket No. 50-416  
License No. NPF-29  
File: 0260/L-835.0  
Control Room Emergency  
Filtration System Actuates  
on False Chlorine Signal  
LER 85-044-0  
AECM-85/0409

Attached is Licensee Event Report (LER) 85-044-0 which is a final report.

Yours truly,

L. F. Dale  
Director

EBS/SHH:bms  
Attachment

cc: Mr. O. D. Kingsley, Jr. (w/a)  
Mr. T. H. Cloninger (w/a)  
Mr. R. B. McGehee (w/a)  
Mr. N. S. Reynolds (w/a)  
Mr. H. L. Thomas (w/o)  
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