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)	DOCKET NUMBER (2)	PAGE (3)
Grand Gulf Nuclear Station - Unit 1	0 5 0 0 0 4 1 6	1 OF 0 3

TITLE (4)
Technical Specification for Halon Storage Tank Pressure Not Met

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	DOCKET NUMBER(S)
1 0	1 0	8 3	8 5	0 1 1	0 0	0 3	2 6	8 5	NA	0 5 0 0 0
										0 5 0 0 0

OPERATING MODE (9)	4
POWER LEVEL (10)	0 0 0

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)

20.402(b)	20.405(c)	50.73(a)(2)(iv)	73.71(b)
20.405(a)(1)(i)	50.36(c)(1)	50.73(a)(2)(v)	73.71(c)
20.405(a)(1)(ii)	50.36(c)(2)	50.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)
20.405(a)(1)(iii)	X 50.73(a)(2)(i)	50.73(a)(2)(viii)(A)	
20.405(a)(1)(iv)	50.73(a)(2)(ii)	50.73(a)(2)(viii)(B)	
20.405(a)(1)(v)	50.73(a)(2)(iii)	50.73(a)(2)(x)	

LICENSEE CONTACT FOR THIS LER (12)

NAME	TELEPHONE NUMBER
Ronald Byrd/Licensing Engineer	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 NPRDS		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	

SUPPLEMENTAL REPORT EXPECTED (14)

		EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
YES (If yes, complete EXPECTED SUBMISSION DATE)	X NO				

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

A Quality Assurance audit revealed two occasions when halon tank pressures were incorrectly determined to be within acceptance criteria during halon tank pressure checks. This resulted in the Technical Specification requirements not being met. Additional instructions were added to the surveillance to clarify the method used in determining the acceptance criteria.

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★U.S.GPO:1984-0-454-481/18759

NRC Form 366A (9-83)

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION
APPROVED OMB NO. 3150-0104
EXPIRES: 8/31/85

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		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	
Grand Gulf Nuclear Station - Unit 1	0 5 0 0 0 4 1 6	8 5	— 0 1 1	— 0 0	0 2 OF 0 3

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

Description of Reportable Occurrence

On February 26, 1985, a Quality Assurance audit revealed two occasions where halon tank pressures were incorrectly determined to be within acceptance criteria during halon tank pressure checks. This resulted in Technical Specification minimum tank pressure requirements not being met.

Initial Conditions

The surveillances were performed on November 10, 1984 for halon panel P914 and on October 10, 1983 for halon panel P910. The halon tank weights were within Technical Specification limits. The halon tank pressures were less than allowed by Technical Specifications when properly corrected for temperature.

Nature of Occurrence

Technical Specification 3.7.6.4 requires halon storage tanks to be at least 95% of full charge weight and 90% of full charge pressure. The weight and pressure are required to be verified every 6 months. Since the tank pressure varies with temperature, a temperature correction chart is used to determine the pressure acceptance criteria for the temperature observed during the surveillance.

On November 10, 1984 and October 10, 1983 this acceptance criteria was incorrectly calculated and the completed surveillances were approved as acceptable. One tank for panel P910 and both tanks for panel P914 were actually less than 90% of full charge pressure.

Immediate Corrective Actions Taken

Halon panel P914 was declared inoperable and the bottles were replaced within 12 hours. No action was required for panel P910 since a subsequent surveillance on April 10, 1984 had found the bottle for panel P910 to be unacceptable due to low pressure. It was replaced on April 13, 1984.

Apparent Cause

The mechanics that performed the surveillance had difficulty understanding and using the temperature correction chart due to ambiguity in the procedure.

NRC Form 366A (9-83)

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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APPROVED OMB NO. 3150-0104
EXPIRES: 8/31/85

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Grand Gulf Nuclear Station - Unit 1	0 5 0 0 0 4 1 6	8 5	— 0 1 1	— 0 0	0 3 OF 0 3

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

Supplemental Corrective Action

Instructions were added to the procedure to explain how to properly obtain acceptance criteria from the chart. The data sheet which records the acceptance criteria versus observed data was also revised for clarification.

Safety Assessment

The bottles were at least 85% of full charge pressure and within the weight requirements. The pressure remaining was sufficient to expel halon.

MISSISSIPPI POWER & LIGHT COMPANY
Helping Build Mississippi
P. O. BOX 1640, JACKSON, MISSISSIPPI 39215-1640

March 26, 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
Technical Specification for
Halon Storage Tank
Pressure Not Met
LER 85-011-0
AECM-85/0102

Attached is Licensee Event Report (LER) 85-011-0 which is a final report.

Yours truly,

L. F. Dale
Director

EBS/SHH:vog
Attachment

cc: Mr. J. B. Richard (w/a)
Mr. O. D. Kingsley, Jr. (w/a)
Mr. R. B. McGehee (w/a)
Mr. N. S. Reynolds (w/a)
Mr. G. B. Taylor (w/o)

Mr. James M. Taylor, Director (w/a)
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