Attachment to AECM-86/0204

NRC Fer (9-83)	m 386			LIC	ENSEE EVE	NT RE	PORT	(LER)	U.S. MU A E	CLEAR REGULA	TORY CON	N BEEION
FACILIT	-	1)							DOCKET NUMBER	(2)	PA	01 15
Gr	and	Gulf Nucl	ear Statio	n - Uni	t 1				0 15 10 10	04111	6 1 0	FD 13
TITLE (4	\$											
Ur	plan	ned RCIC	Isolation	Due To	Failed Ca	librat	tion U	Init Power	r Supply			
EVI	DAY		BEQUENTIAL	6) REVISION	REPORT DAY	YEAR		FACILITY NA	FACILITIES INVO	DOCKET NUMB	ER(S)	
BRUNTH	DAT	TEAN TEAN	NUMBER	NUMBER	MONTH DAT	TEAN		N7.4	-	0 15101	0 1 0 1	
								NA		- 1-1-1	1-1	
06	07	8686	- 0/2/1	- 00	0 7 0 7	86				0 15 0 1	1010	1.1
OPE	RATING	THIS R	EPORT IS BURNITTE	D PURSUANT	TO THE REQUIREM	ENTE OF 1	CFR &: /6	Check one or more	of the following) (1)	1)		
M	(8) 300	1 3	0.402(b)	•	20.406(e)		x	80.73(a)(2)(h)		73,710)		
POWE	1	· · · · · ·	0.406(a)(1)(0		60.38(a)(1)			80.734e)(2)(v)		73.71(e)		
(10) 0165 20.406(a)(1)(8)			\$0.36(e)(2)			90.73(a)(2)(vii)		OTHER (	in Text, NA	tC Form		
			0.406(s)(1)(W)	-	60.73(a)(2)(l)			80.73(a) (2)(viii) (	N	JAPEA		
		H:	G. 408 (a) (1) (v)		80,73(4)(2)(14)			80.73(a)(2)(a)				
					ICENSEE CONTACT	FOR THIS	LER (12)	BO.7 BORTATIAT				
NAME										TELEPHONE NU	MBER	
									AREA CODE			
Ro	nald	W. Byrd/	Licensing	Enginee	r				610 11	413171	-12 11	1419
			COMPLETE	ONE LINE FOR	EACH COMPONEN	FAILURE	DESCRIBE	D IN THIS REPOR	T (13)		_	
CAUSE	SYSTEM	COMPONENT	MANUFAC. TURER	TO NPROS		CAUSE	SYSTEM	COMPONENT	MANUFAC- TURER	TO NPRDS		
x	BIN	IXII	R 1 3 1 6 19	N								
			BLPPLEME	NTAL REPORT	EXPECTED (14)	1			+	LHONT	H DAY	TYPAR
		and the second second second			1				EXPECTE SUBMISSI	ID ON		1.000
YE	lif yes, c	ampiers EXPECTED	D SUBMISSION DATE	1	X NO				DATE (1)	5)		
	On iso and pla Thi may to pow act rep whi in	June 7, 1 lation oc fill of ced the c s precaut result f the trip ver supply tuating th blaced. 1 ch caused service.	1986, an un courred due the associ calibration tionary of from t. unit cause	planed to a f ated to unit i orence ating n le calib blation ment is anned is	Reactor ( alse high ansmitter n "calibra vents an e leg fill formal com- pration un valve log a Rosemou colation w	Core I steam refer ation" isolat and v dition it out it. I nt mod ould c	solat flow ence in a ion f ent e s. H put t he fa lel nu nly o	ion Cooli trip sig leg, main ccordance rom any e ffort by owever, a o drift t ulty powe mber 510D ccur with	ng (RCIC) nal. Dur tenance t with pro rroneous providing faulty u o the tri r supply U. The cali	system ing a ve echnicia cedure. signals a signa nit p setpoi was condition	nt that 1 nt unit	
	J10	DAECM8607	0101 - 3								ΤÉ	22

....

\* · · ·

Attachment to AECM-86/0204

	LICENSEE EVENT REPOP	T (LER) TEXT CO	NTINU	ATIO	N		A	PPROVED C	DMB NO	D. 315	0-0104		
LITY NAME	1)	DOCK T NUMBER (2)		1	LER NUMBER (			1 (6)			PAGE (3)		
				YEAR		NUMB	ER	REVISION		T	Τ		
Grand	Gulf Nuclear Station - Unit 1	0 15 10 10 10 1 4	1116	81 6	_	012	11 -	- 010	01	20	FO		
(# more spec	i is required, use additional NRC Form 3864 's/ (17)			1-1-		-1-		1-1-		-1	1-		
Α.	REPORTABLE OCCURRENCE												
	On June 7, 1986 at approxima Isolation Cooling (RCIC) sys steam flow trip signal. Alt isolation is considered an E 10CFR50.73(a)(2)(iv). A fou 10CFR50.72(b)(2)(ii).	tely 1738, an i tem isolation o hough RCIC is r SF function and ir hour notifica	inadvo occur not a d is ation	erter red o n ESI repor was	nt l due F sy rtal mad	React to a ystem ble pu de pu	tor C fal n, th bursu irsua	lore lse hi le lant t int to	gh o				
Β.	INITIAL CONDITIONS												
	The plant was operating in M	lode 1 at approx	kimat	ely (	55 1	perce	ent p	ower.					
С.	DESCRIPTION OF OCCURRENCE												
	On June 7, 1986 at 1650, operators declared the "B" channel of the RHR/RCIC steam line high flow isolation trip function inoperable when it failed the 12 hour channel check. The Limiting Condition for Operation (LCO) requires the affected system isolation valves to be closed within one hour and the affected system be declared inoperable.												
	Maintenance personnel determ required backfilling to rest technicians placed the assoc accordance with procedure to the fill and vent task. How caused a false trip signal i of the RCIC steam line isola	ined that the t ore the channel iated calibrati prevent the tr vever, a drift c input to the tr ation valve.	trans l to ion u rip u of th ip un	mitte opera nit nit e ca it r	er atio in from lib esu	refer on. calit n tri ratic lting	Main Main Drati ippin on ur g in	e legs itenan ion in ng dur nit se a clo	ce ing tti sur	ng e			
D.	APPARENT CAUSE												
	The trip unit functions to isolate the RCIC turbine steam supply line at a differential pressure of approximately 145 inches water column. The calibration unit is placed in service to send a 12 milliamp DC signal to the trip unit which corresponds to a O inch water column. This precautionary action prevents an isolation from any erroneous signals that may result from the reference leg vent and fill task. However, on June 7, 1986, a faulty calibration unit power supply caused the milliamp signal to drift enough to trip the trip unit and then drift back to reset the trip unit. The instrument is a Rosemount model number 510DU.												

.

• •

Attachment to AECM-86/0204

NRC Form 366A (9-83) LICENSEE EVENT REPORT (LER) TEXT CONTINUATION APPROVED OMB N EXPIRES 8/31/85								
FACILITY NAME (1)		DOCKET NUMBER (2)			6) PAGE (3)			
		19 20 41 1 44	VEAR	SEQUENTI	AL REVISION NUMBER	-		
Grand G	ulf Nuclear Station-Unit 1	0 5 0 0 0 4 1 6	8 6	- 0 2 1	-010	0 3	OF 0 3	
TEXT (# more apace	a required, use additional NRC Form 3854 (2) (17)							
Ε.	SUPPLEMENTAL CORRECTIVE ACT	ION						
	The isolation valve was reop by 1745 on June 7, 1986. Th unit was replaced.	pened and trip chann he faulty power supp	el re ly fo	estored to or the ca	to servic alibratio	e n		
F.	SAFETY ASSESSMENT							
	The unplanned isolation resu for a short period of time. prior to the isolation which 1750. The High Pressure Con during this time.	ulted in the unavail It is noted that an n required closure o re Spray system was o	abili n LCC f the opera	ity of th condit isolat able and	ne RCIC s ion exist ion valve availabl	yster ed by e	n	
	The condition which caused the calibration unit in serv RCIC safety function during	the unplanned isolat vice. Therefore, the normal service.	ion w ere w	vould on vas no at	ly occur ffect on	with the		

. '



## MISSISSIPPI POWER & LIGHT COMPANY

Helping Build Mississippi

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

July 7, 1986

O. D. KINGSLEY, JR. VICE PRESIDENT NUCLEAR OPERATIONS 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 Unplanned RCIC Isolation Due to Failed Calibration Unit Power Supply LER 86-021-00 AECM-86/0204

Attached is Licensee Event Report (LER) 86-021-00 which is a final report.

Yours Prulv.

ODK:1wm Attachment

cc: Mr. T. H. Cloninger (w/a)
Mr. R. B. McGehee (w/a)
Mr. N. S. Reynolds (w/a)
Mr. H. L. Thomas (w/o)
Mr. R. C. Butcher (w/a)

Mr. James M. Taylor, Director (w/a) Office of Inspection & Enforcement U. S. Nuclear Regulatory Commission Washington, D. C. 20555

Dr. J. Nelson Grace, Regional Administrator (w/a) U. S. Nuclear Regulatory Commission Region II 101 Marietta St., N. W., Suite 2900 Atlanta, Georgia 30323

ELE