

Entergy Operations, Inc.

TER

P.O. Box 756 Port Gloson MS (19159

W. T. Cottle

December 11, 1990

U.S. Nuclear Regulatory Commission Mail Station P1-137 Washington, D.C. 20555

Attention: Document Control Desk

Gentlemen:

SUBJECT: Grand Gulf Nuclear Station Unit 1 Docket No. 50-416 License No. NPF-29 Standby Fresh Air Unit Actuation Due To Inadequate Test Instruction LER 90-024 AECM-90/0218

Attached is Licensee Event Report (LER) 90-024 which is a final report.

Yours truly,

LOS Cour

WTC/RR:cq Attachment

cc: Mr. D. C. Hintz (w/a) Mr. R. B. McGehee (w/a) Mr. N. S. Reynolds (w/a) Mr. H. L. Thomas (w/o) Mr. J. L. Mathis (w/a)

> Mr. Stewart D. Ebneter (w/a) Regional Administrator U.S. Nuclear Regulatory Commission Region II 101 Marietta St., N.W., Suite 2900 Atlanta, Georgia 3032.

Mr. L. L. Kintner, Project Manager (w/a) Office of Nuclear Reactor Regulation U.S. Nuclear Regulatory Commission Mail Stop 11D21 Washington, D.C. 20555

LER90024/SCMPFLR - 1 - 5 9012140160 901211 FDR ADOCK 05000416 PDC

Attachment to AECM-90/0218

(9-83)					LIC	ENSE	EEVE	NT RE	PORT	(LER)	U.8. N	UCLEAR REGULA APPROVED OME EXPIRES 8/31/00	TORY COMMISSION NO 3160-0104
FACILITY NA	AME (1)	and the second second second			New York Control of Co						DOCKET NUMBER	8 (2)	PAGE (3
Grand	Gu	lf Nu	iclea	ir Statio	n - Unit	: 1					0   5   0   0	1014 1116	1 OF 013
Stand	hu	Freek			1.1.1.1		-			al en tri della sulla	the maximum constraining the cost	ale and a set of the set	and second second second set
EVENT	DATE	rrest	All	Unit Ac	tuation	Due	To In	nadequ	ate T	est Inst	ruction		
MONTH D	AY	YEAR	YEAR	SEQUENTIAL	REVISION	RE	PORTDA	TE (7)		OTHER	A FACILITIES INVO	DEVED (8)	
				NUMBER	NUMBER	NONTH	UNI	TEAR		NTA NTA		D LE LO LL	EPI(S)
	. 1	1.1						1.1		AN		010101	<u>, 101</u>
1 1 1	4	90	90	0 2 4	00	1 2	11	9 0				0 151010	
OPERAT	TING		THIS REP	PORT IS SUBMITTE	D PURSUANT	TO THE R	EGUIREN	IENTS OF 1	0 CFR & /0	Check one or more	e of the following) [	11)	
mode	(9)	5	20.4	402(b)	-	20 406	141		X	#* 73(s)(2)(iv)		73 71(6)	
LEVEL	101	0.0	20.4	406 (a) (1) (ii)	-	60.36(a	11(1)			1.5 Nor 9(2)(v)		73.71(e)	
	et er blacke	X.J. M	20.4	406(a)(1)(iii)		60.38(c	1010			60.73(a)(2)(vii)		DTHER /S	in Text, NRC Form
			20.	406 (a) (1) (iv)		60.734	1(2)(a)			60.73(a)(2)(viii)	((#))	JESA	
			20	406 (a) (1) (v)		80.73(4	1(2)(81)			80.73(a)(2)(x)			
NAME						ICENSEE	CONTAC	T FOR THE	LER (12)			*****	
												TELEPHONE NU	MBER
Ríl	ev	Ruffi	n /	Licensing	Specto	lict					AREA CODE		
				COMPLETE	ONE LINE FOR	EACH CI	OMPONEN	TEALLIR	DERCEIDE		6 01	4 13 1 7 1-	-1 21 1 1 6 1 7
CAUSE SY	STEN	COMPO	NENT	MANUFAC	REPORTABLE					IS IN THIS REPU			
			(1963) L	TURER	TO NPROS			CAUSE	SYSTEM	COMPONENT	TURER	TO NPROS	
						1.1.1.1				Concentration of the second second second	and the second sec		
	-									111			
	11	1.1		1 3 T	1.000				1.1.1		1.4.1		
	- <del>-</del>			SUPPLEM	ENTAL REPORT	EXPECT	ED (14)						1,,
						T					EXPECT	MONT	H DAY YEAR
1 2 10	Y#1.20	mpiete EX	PECTO	SUBMISSION DAT	ξ		V NO				DATE	15/	
AB3	Timit R	1400.104	(#1	pproximetely lifteer	i publik these the	ewateen a	nezi (16)						
O S w n D i t t	n No tano hilo uri sol he o t	cvemb dby F e per inver ng th atior alter he ma	er 1 resh sonn ter, e te nate nate	4, 1990 c Air Unit el were p est, power l an autor e source be	during R t (SFAU) beiformi r was lo natic st of power ing plac	efue 'A' ng a st t art 'was ced i	ling actu spec o a l of th remc n ser	Outag ation ial t oad d ne SFA oved f vvice.	e 4, a occur est fo istrit U. Th rom a	a contro pred. The pollowing pution pr ne loss load di	room is ne actuat the inst ane' resu of power strubutio	olation a ion occur allation lting in occurred n panel p	and a of a an when prior
T pc i e t	he abl nst owe cest	incic orm t e whi ructi r ea bi of t	lent the t ich w ion.	is attri test. The was requi stored to er. The system.	buted to e instru red to t the loa test in:	an actio de di ad di struc	i ade ns di sconr stril tion:	equate id not nected pution s were	test inst in a pane corr	instruc ruct per previou l by clo ected pr	tion whic sonnel to s step in sing the ior to co	h was use reconned the previous ontinuing	ed to ct a ly the
T F N	Ther berf ninu	e was orme ites	s no d as follo	adverse designed owing the	impact ( . Cond event.	on sa ition	ifety is we	due t re res	to the	occurre to norm	nce. All al approx	l systems cimately	20

C

6

e

Attachment to AECM-90/0218

.

an in the engles

A Dailed york in success in these states	NUCLEAR REGULATORY COMMISSIO									
CILITY NAME (1)	and a second	DOCKET NUMBER (2)	LER NUMBER (6)	PAGE (3)						
			YEAR SEQUENTIAL NUMBER	REVISION						
Grand Gulf Nuclear Station		0 15 10 10 10 1 11 16	9,0 01214	-0.10	10 05 0 1					
DCT III more space à	required, use additional NRC Form 3064's/ (17)	www.enderseleradered.co.d.		-01010	12 0101					
Α.	Reportable Occurrence									
	On November 14, 1990, a Room Standby Fresh Air U start signal. The signa distribution panel. The 10CFR50.73(a)(2)(iv).	control room isolation nit (EIIS Code: VI; SF l was generated due to event is reported pur	and a Divisio AU) received a a loss of pow suant to	n I Cont n automa er to a	rol itic load					
Β.										
	The plant was in Operational Condition 5, Refueling, at the time of the occurrence.									
С.	Description of Occurrence									
	During Refueling Outage 4, a Design Change was performed to replace several inverters in the Uninterruptible Power Supply (UPS) System, one being inverter 1Y87. During implementation of the design change, power for load distribution panel 1Y89 was being supplied by the old inverter (1Y87) which was to Lo replaced through a spare main breaker.									
	Following the design change, a Division I Class 1E UPS System lest was scheduled to be performed. The test was conducted in accordance with an approved Special Test Instruction.									
	On November 14, 1990 dur instructed by the test i opening the spare main b deenergized resulting in water level logic. The Containment Isolation Sy the control room and a S distribution panel by cl breaker. The test instr of the system.	ing the special test o nstruction to open the reaker, the load distr a loss of power to a deenergized logic simu stem (EIIS Code: JM) r FAU actuation. Power osure of the previousl uction was corrected p	f the UPS, per spare main br ibution panel portion of the lated a LOCA s esulting in an vis restored t y opened spare rior to contin	sonnel w eaker. was reactor ignal to isolati o the lo main uing the	Vere Upon low the on of oad e test					
D.	Apparent Cause									
	Upon investigating the event, it was determined that one end of a cable, disconnected in a previous step, was not reconnected. The reconnection step was omitted from the test instruction.									

LER90024/SCMPFLR

ø

æ

J

Attachment to AECM-90/0218

NRC Form 366A (9-63)	LICENSEE EVENT RI	EPORT (LER) TEXT CONTIN	UATION	U.S. NUCLEAR APPROV EXPIRES	REGULATORY COMMISSION ED DMB ND. 3150-0104 8/31/96						
FACILITY NAME (1)		DOCKET NUMBER (2)	LER NUM	BER (8)	PAGE (3)						
			YEAR	IBSR NUM	<u>REF.</u>						
Grand Gu	If Nuclear Station required, use additional NARC Form 30864 %/ (17)	0 5 0 0 0 4 1 6	90-01	24 - 01	0 0 3 0 0 3						
	The special test instruct but did not instruct per loss of power to the loa deficiency in the specia	ction instructed person rsonnel to reconnect th ad distribution pane' i al test instruction.	nel to disc le lead. Th s attribute	connect + nerefore, ed to a	he lead, the						
	There were two contribut technical reviewer of th procedural deficiency. the special instructions due to a programmatic de successfully performed of the previous tests, a di connected but failed to	ting factors associated ne special instruction Although an error was s, investigations concl eficiency. Additionall on three other panels p ifferent engineer ensur correct the test.	with the c did not ide made during uded that i y, the test prior to the red the cabl	eccurrence entify the the rev the error was e event. es were	e. The ne view of was not During						
Ε.	Supplemental Corrective Actions										
	The special test instructions were corrected prior to continuing the test.										
	The Test Directors and Technical Reviewers were counseled on Verbatim Compliance and the importance of adequate reviews for any and all special tests.										
	Administrative Controls were determined to adequately address the technical review process.										
F.	Safety Assessment										
	There was no adverse impact on safety due to this occurrence. The Control Room Ventilation System performed as designed. The inadvertent control room isolation and start of the "A" SFAU placed the control room in a conservative condition to ensure that there was no exposure hazards to personnel in the control room. Conditions were restored to normal approximately 20 minutes following the event.										
	LER90024/SCMPFLR										

NEC FORM 3684

1