Form	-				LIC	ENSE	E EVE	NT REP	PORT (	LER)	U.S. MUCI APT EXI	LEAR REGULATO	87 COMM 3150-010	SEION	
LITY	-	, R. E.	Gin	na Nuclea	r Power	Plan	nt			00	CKET NUMBER (3	0   2   4   4	1 05	01	
.E (4)							Deat		- Curt						
-	NT DATE	Autor	natic	ACTUATION	n ot ke	actor	PORT DAT	ection In I	1 Syst	OTHER FA	CILITIES INVOLV	/ED (8)			
TH	DAY	YEAR	YEAR	SEQUENTIAL	REVISION NUMBER	MONTH DAY YEAR FACILITY NA				FACILITY NAME	MES DOCKET NUMBER(S)				
			62.1					H				0 19 0 10		_	
4	18	85	815	- olob	- o lo	015	0 8	8 5				0 15 10 10	101		
	ATING	-	-	ORT IS SUGMITTE	D PURBUANT T	-	EQUIREM	NTS OF 10	CPR \$: /C	heck one or more of	the following) (11)				
MC	OE (9)	N	20.4	02(b)	-	20.408	(a) (1)		-	90.73(a)(2)(lv) 90.73(a)(2)(v)	- H	73.71(8)			
24421 EVE (10)	0	03	20.4	OS(a)(1)(8)		80.384	u) (2)			90.75(a)(2)(vii)		OTHER /Son	Text, NRC	For	
			20.4	GB(a)(1)(10)	F	60.734	(2)(1)		90.73(e)(2)(viii)(A)		(ABBC )				
			20.4	105(a)(1)(lv)		80.734	1(2)(H)		H	80.73(a)(2)(x)					
							CONTACT	FOR THIS	LER (12)		· · · · · ·	ELEPHONE NUM	BER		
											AREA CODE				
	G. F.	Lar	izza,	Operatio	ns Mana	ger			_		3 1 1 5	5 1 2 1 4 1-	1414	4	
_	_			COMPLETE	ONE LINE FOR	EACH O	OMPONEN	FAILURE	DESCRIGE	D IN THIS REPORT	(13)	L'anna a			
<b>JSE</b>	SYSTEM	COMPO	NENT	MANUFAC-	TO NPROS			CAUSE	SYSTEM	COMPONENT	TURER	TO NPRDS			
	ALA	- 1R	LIY	S141410	Y			В	SIB	-1-1313	N 1 01 115	N			
	SID	- 1 -	HIS	WI11210	N			В	IG	-1-1 FIU	B   5  619	N			
_				SUPPLEM	INTAL REPORT	EXPECT	ED (14)				EXPECTE	0 MONTH	DAY	YE	
1~=			MICTED	SUBMISSION DATE		5	NO				DATE IN				
	On for opposite set bec the pro 300 imp	Apr r a essu ened usine tpoin en a e au ocedu t re orove	il 8 turi re t whi gen ttri toma iral actor con	, 1985, bine ov transies ich even e turbis erator nd a rea ibuted t atic po control or powe ntrol of	a load erspect nt, the ntually ne to level actor to to the sition s were r. A the h	d red the cover trip red trip cor propypa	duct: trip conde sult duced occu ndens tathe esent ocedu ss va	ion w test ensat d in d bei irred ate for the for alve	as in . D e by n a to the bypas tan t the chang posit	n progre uring a pass val main fee e plant the 17% he cause ss valve the close switch ge has h tion at	ss in p seconda lve aut edwater cooldow low 1 of the switch sed pos: positio been in: low pow	reparat ary sys omatica pump t wn the event t event being ition. n prior itiated er.	ion tem lly rip "A" rip has in No to		

NRC Form 366A (9-83)	LICENSEE EVENT REP	N	APPROVED OMB NO 3:50-0104 EXPIRES 8/31 85					
		DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)		
FACILITY NAME (1)			YEAR	SEQUENTIAL	REVISION			
P. F. Ginna	Nuclear Power Plant	0 15 10 10 10 12 1 4 4	8  5	-0019	-0100	1 2 OF	0 3	
R. L. Grind	ed. use additional NRC Form 365A's) (17)					1.0		

At 0536 hours on April 8, 1985, while reducing load for a turbine overspeed trip test, a turbine trip occurred with a subsequent reactor trip.

With reactor power at approximately 18% and a load reduction in progress, the "B" condensate pump started automatically due to a condensate system oscillation and condenser reject valve opening. Due to the low power level, the condensate system pressure increased to approximately 420 psig and the pump was manually stopped to avoid overpressurizing the main feedwater pump suction relief valves. Following the stopping of the "B" condensate pump, a feedwater pump low suction pressure alarm occurred which automatically restarted the "B" condensate pump and opened the condensate bypass valve (this allows condensate to bypass the low pressure heat exchangers). This allowed the seal water differential pressure at the running "B" main feedwater pump to reduce below 15 psid for greater than five seconds, which caused the pump breaker to open. Both main feedwater pump breakers open provided the logic for a subsequent turbine trip. Following the turbine trip the steam generator levels decreased due to the combination of a decrease in feedwater flow, cold auxiliary feedwater injection, and a manual reactor power reduction which cooled down the primary system. At approximately 2% reactor power a reactor trip occurred on two out of three channels of "A" steam generator Following the reactor narrow range level reducing below 17%. trip the main steam line isolation valves (MSIV's) were manually closed from the Control Room to limit the cooldown. As a result of the cooldown, both steam generator levels reduced below 16% narrow range level for approximately four minutes and the pressurizer reduced below 12%, for one minute. This made both reactor coolant loops (Technical Specification 3.1.1.a and 4.3.5.5) and the pressurizer (Technical Specification 3.1.1.5) inoperable. The reactor coolant system was stabilized at hot shutdown conditions.

Various mechanical and electrical problems were encountered following the reactor trip. The control rod bottom indicating light failed to illuminate for control rod I3, although the rod position indicator verified that the control rod was fully inserted. This problem was determined to be the result of oxidation on a relay contact. The "B" MSIV indicating lights showed the value to be in mid-position, although it was physically verified to be in the closed position. This was determined to be due to the sticking of a value position limit switch. A control power fuse in the nuclear instrument system intermediate range channel N-35 failed, resulting in the bistables for that channel tripping. No apparent cause was determined for this. LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U & NUCLEAR REGULATORY COMMISSION APPROVED OMB NO 3150-0104

EXPIRES 8/31/85

ACILITY NAME (1)	DOCKET NUMBER (2)		ER NUMBER (6)	PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	AEVISION NUMBER		
R. E. Ginna Nuclear Power Plant	0 15 10 0 0 2 4 4	8 5 -	-0 1019	- 010	0 3 OF	113

The cause of the event has been attributed to the condensate bypass valve switch, on the Main Control Board, being in the automatic position. The opening of the condensate bypass valve early in the event led to the subsequent trips, due to the high condensate system pressures at low power levels resulting in low seal water differential pressure at the main feedwater pumps. The switch is normally placed in the manual closed position prior to startup, and is not procedurally placed in the automatic position until approximately 30% reactor power. Following maintenance on the bypass valve, the day before the event, the switch was inadvertently left in the automatic position. No procedural controls were present to maintain the switch position closed prior to 30% power. The positioning of the bypass valve prior to the event was a cognitive error on the part of Operations personnel, in that it was a failure to recognize the effect of the opening of the bypass valve at low power on the secondary system. A procedure change to the Operations startup procedure, 0-1.2, has been initiated to specify that the condensate bypass valve switch be maintained in the closed position until 30% power.

C Form 366A





ROGER W. KOBER VICE PRESIDENT ELECTRIC & STEAM PRODUCTION

TELEPHONE AREA CODE 718 546-2700

HER YORK STATE

May 8, 1985

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

LER 85-009, Automatic Actuation of the Reactor Subject: Protection System (RPS) R.E. Ginna Nuclear Power Plant Docket No. 50-244

In accordance with 10 CFR 50.73, Licensee Event Report System, item (a)(2)(iv) which requests a report of, "any event or condition that resulted in manual or automatic actuation of any Engineered Safety Feature (ESF) including the Reactor Protection System (RPS)," the attached Licensee Event Report LER 85-009 is hereby submitted.

Very truly yours,

Bucche Snow for Roger W. Kober

RWK/eeg

U.S. Nuclear Regulatory Commission xc: Region I 631 Park Avenue King of Prussia, PA 19406

1822