Commonwealth Edison
LaSalle County Nuclear Station
2601 N. 21st. Rd.
Marseilles, Illinois 61341
Telephone 815/357-6761

February 15, 1994

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

Licensee Event Report #94-002-00, Docket #050-373 is being submitted to your office in accordance with 10CFR50.73(a)(2)(iv).

D. J. Ray

Station Manager

LaSalle County Station

DJR/JR/mkl

Enclosure

xc: Nuclear Licensing Administrator
NRC Resident Inspector
NRC Region III Administrator
INPO - Records Center
IDNS Resident Inspector

9402240019 940215 PDR ADDCK 05000373 S PDR (是母)

												LICENS	EE E	VENT R	EPO	RT (LE	R)									Form	Rev	v 3.1
Facili	ty	Name	(1)	)	and the second												-		Do	cket	Num	ber	(2)		P	age i	(3)	
LaSal	Le	Count	y :	Statio	on U	nit 1	1												0	5	0 0	0	3	7 3	1	0	F	0 3
Title	(4)																_					edonocado		-	inh seems	-		
Single	0.0	ntrol	Ro	od Sci	ram I	Due 1	o B	ad F	use (	lip																		
Event	Da	ste (5	2		T		LE	R Nu	mber	(6)				Repo	rt I	Date (	7)		(	Othe	r Fa	cili	ties	Inv	olv	ed (8	3)	
Month	0	ау	T	fear	Y	ear	111	/ 5	equer	ntial	1,1,1	Revisi	an	Month	Di	ay	Yea	ır	Fac	ilit	y Na	mes	Do	cket	Nu	mber	(s)	
							11	1 N	umber		1777	Numbe	r															Limetra
	L		Е										П															
0 1	2	2	5	4	9	4		- 0	0	2		0	0	0 2	1	5	9	4							1	1	1	
OPERA	7.10	(2)	erika mang		T	- Alexandra	T	HIS	REPOR	T IS	SUBI	AITTED	PURS	UANT TO	O T	HE REQ	UIRE	MENT	S OF	100	FR		hamada			-	-	
MOD					P		(	Chec	k one	00	more	of the	fol	lowing	) (1	11)												
MUNI	1	7.1	-		1	-		2	0.402	(b)			20	.405(c	)		Х	50.	73(a)	(2)	(iv)		П		73.	71(b)		madrica
POWER								2	0.405	(a)(	1)(1	Y	50	.36(c)	(1)			50.	73(a)	(2)	(v)				73.	71(c)		
LEVEL							Œ	2	0.405	(a)(	1061	)	50	.36(c)	(2)			50.	73(a)	(2)	(vii	)			Othe	er (S	pec	ify
(10)		0		7	4			2	0.405	(a)(	1)(1	1)	50	.73(a)	(2)	(i)		50.	73(a)	(2)	(vii	1)(A	)		in A	bstr	act	
3344	141	4444	44	4444	444	13333		5	0.405	(a)(	10(1)	()	50	.73(a)	(2)	(11)		50.	73(a)	(2)	(vii	i)(E	)		bela	N BI	nd i	ri.
	77	7977	93		777		L	5	0.405	(8)(	1)(v)		50	.73(e)	(2)	(iii)		50.	73(a)	(2)	(x)				Text	()		
										L	I CEN	EE CON	TACT	FOR TH	KIS.	LER (	12)				-	A Spinson Spinster	***					
Name																				T	ELEP	HONE	NUM	BER			t di guir	-
																		AR	EA CO	XDE							-	
John R	eim	er, S	yst			-												A	1			5	7		6	7	6	
						ETE	ONE	LIN	FOR	EAC	H COM	PONENT	FAI	LURE DE	SCF	RIBED	IN T	HIS	REPOR	T (	13)							
CAUSE	SY	STEM	CO	COMPONENT				ANUF				RTABLE	344	CA., 25	5	SYSTEM	CO	MPON	ENT				JFAC		1	PORT		77
	-		-	1	70			TURE		-	1.0	MPRDS	1		-	-							TURE	}	1	O NP	RDS	177
X	A	A		F	U	B	G	0	8	2	-	N	332		-										-	-		-1/1
	-	L	-	61	DDIT	MENT	61 1	DEDO	T EV	DECT	en (1	4.5	111		1	-				1					-		1	1//
	-		-	au		HENT	ML I	KEPU	KJ EA	FEGI	EN (	4)	-		-			-		-	xpec bmis		Mor	nth	De	y	1	ear
													L							1		(15)				1	1	1
YE	8 (	If ye	s,	compl	ete	EXPE	CTE	D SU	BMISS	I NO I	DATE		X	NO						D.	are	(12)					1	

On January 22, 1994 during half scram testing (LOS-RP-M1) on Unit 1 with power at 74%, control rod 54-47 (5A-peripheral rod) scrammed to the full in position. The unit was dropped 75 MWE per LOA-RD-06, "Control Rod Drift/Individual Rod Scram". No thermal limits were exceeded with this rod being at the full in position. A Qualified Muclear Engineer (QNE) was notified that the rod was at the full in position and the QNE stated no further action was required for the scrammed rod. The event was reported to the NRC per 10CFR50.72(b)(2)(ii) within the required four hours.

Investigation revealed the "B" RPS fuse was loose in its clip. This coupled with the half scram from "A" Reactor Protection System (RPS) from the performance of LOS-RP-M1 caused the rod to scram in.

A work Request L26894 was written and the control rod was removed from service. The fuse block was found cracked and subsequently satisfactorily replaced. Since this work does not affect the scram time of the control rod, no additional tests were required on the control rod prior to returning the rod to service.

A new parts evaluation (1-94-0014) was performed and concluded that the electrical box assembly supplied by General Electric (part # 922d234G001) which contains the fuse holder on a terminal board is not safety related. Any failure of the terminal board would result in a control rod scram. It is the first time that this particular part had to be replaced at the station. This is considered an isolated event and no further action is required.

This event is reportable pursuant to 10CFR50.73(a)(2)(iv) due to an actuation of an Engineered Safety Feature ESF.

FACILITY NAME (1)	DO	CKET	NUM	BER	(2)				L	ER A	UMBER	R (6)		CORALI DE LA					p	age (	3)	-
	۳								Ye	ar	111		nuent mber		1111	Revi						
LaSalle County Station	0	5	0	0	0	3	7	3	9	4		0	0	2		0	0	0	2	OF	0	1

### PLANT AND SYSTEM IDENTIFICATION

General Electric - Boiling Water Reactor

Energy Industry Identification System (EIIS) codes are identified in the text as (XX).

### A. CONDITION PRIOR TO EVENT

Unit(s): 1	Event Date: 1/22/94	Event Time: 0430 Hours
Reactor Mode(s): 1	Modes(s) Name: RUN	Power Level(s): 74%

### B. DESCRIPTION OF EVENT

On January 22, 1994 Unit 1 was in Operational Condition 1 (Run) at 74% power. At 0430 hours during half scram testing (LOS-RP-M1) control rod 54-47 (5A-peripheral rod) scrammed to the full in position. Reactor power was reduced 75 MWE per Operating Procedure LOA-RD-06, "Control Rod Drift/Individual Rod Scram" (RD) [AA].

No thermal limits were exceeded with this rod being at the full in position. A Qualified Nuclear Engineer (QNE) was notified that the rod was at the full in position and it was determined that no further action was required for the scrammed rod.

The event is reportable per 10CFR50.73(a)(2)(iv) due to an automatic Engineered Safety Feature (ESF) actuation.

## C. APPARENT CAUSE OF EVENT

Investigation revealed the "B" Reactor Protection System (RPS, RP) [JC] fuse was loose in its clip. This coupled with the half scram from "A" RPS from the performance of LOS-RP-M1 caused the rod to scram in.

### D. SAFETY ANALYSIS OF EVENT

Appropriate actions were taken when the rod scrammed in and no additional actions were necessary. No thermal limits were exceeded with the peripheral rod at the full in position. Actions provided in LDA-RD-06 provide conservative actions for any single rod scram.

### E. CORRECTIVE ACTIONS

- Work Request L26894 was written and the control rod was removed from service. The fuse block was found cracked and subsequently satisfactorily replaced. Since this work does not affect the scram time of the control rod, no additional tests were required on the control rod prior to returning the rod to service.
- 2. A new parts evaluation (1-94-0014) was performed and concluded that the electrical box assembly supplied by General Electric (part # 922d234G001) which contains the fuse holder on a terminal board is not safety related. Any failure of the terminal board would result in a control rod scram. It is the first time that this particular part had to be replaced at the station.
- A programmatic review of fuse/fuseholder issues is being performed to determine if further action is necessary to address this type of event.

FACILITY NAME (1)	DOCKET	NUMBER	(2)				LI	ER N	LIMBER	(6	)						PE	age (	3)	
							Yes	sr	1//		quent umber		1111	Revis						
LaSalle County Station	0 5	0 0	0	3	7	3	9	4		0	0 1	2		0	0	0 1	7	20	0	1

# F. PREVIOUS EVENTS

A review of all single rod SCRAMS that occurred during the past three years determined that none were caused by a problem with fuse clips.

# G. COMPONENT FAILURE DATA

Manufacturer Womenclature Model Wumber

MFG Part Number

General Electric Electric Box

922d234G001

Assembly

SHEET ?

# EVENT SUMMARY AND

DVR Number

				CO		
	s genera			tor trip		NRC violation, le
	e > \$25			actuatio		GSEP event, class
	ard or			reports	ble	Tech Spec LCO
Pers	sonnel it	plach	LER			Potential or futu
Com	posest	Fait		e partmen		SALP functional
XI C	TEIL	1M21	11	MI		Contraction of Different Contract Association in Contr
V.	TIT	1 1	1			
V	111	1 1				
Lies	ensed? I	or bla	ank	Type		
	Level	artment			Detail c	ode
AII	TIT	1			I Au	
A	Til	. 1				
A						
1 1	Detail C	Departs	222		Indian telephone and Approving Other	
R	111	111				
B	111	1-1-1	-		and the second second second	
B	1 1 1			THE RESERVE OF THE PARTY OF THE	a marina and a second and a second	
T.,	pe D	100011 00	da			
0	1 1	E SMALL EN	Jack Minister of the Control of the	Annual Control of the Art State of the State	MARK SAFE AND ADDRESS OF THE PERSON OF THE P	
Typ	e of de	ficiency	P			PRANTICANA DE LA CONTRACTOR DE
1	Desail C	P	ocedure	type		
K	111		77-4, 77-7-4			er kannan kartur untiku magazapi ett iki enterif kerupanan kalkari magazaran
	111		MATERIA CARROLLE CONTRACTOR CONTR			nazad novac matemeri kommuni ne ipramo-agurenko n. Ira agarbera i birkananna pro-uri communicator
	111		nadau manakatan katawat kata		THE PROPERTY OF THE PARTY OF	Onembrands reading of smooth course seemble stary reads a real seemble as a considerancial season.
Type	. T Det	ail cod	e epartme	n \$		
F	TI	11	magnatic hard Att. M.	The second secon	mark Component active	
-		Commence of the commence of	AND DESCRIPTION OF THE PARTY OF	MATERIAL PROPERTY OF THE PARTY	PROPERTY AND INCIDENCE AND INC	The companies of the problem of the property o
1						