¥									CEE EVEN		T (150)						· · · · ·	
·	;	•							SEE EVEN	KEFUR						F	orm Re	v 2.0
Facili	ty Name	(1)										Doc	ket Nu	mber (2)	Pa	<u>ge (3)</u>	
-			Dres	den	Nuclea	r Pov	ver St	ation.	Jnit 2			0 1	5 10 1	0 10 1	2 3	7 1	of	0 3
Title	$\frac{1}{1}$																	
	* . * 1 * . 1				C	T		C				1	- 4 2 - 4 2	an Man	- 1 + 1	Tank Su	: * ~ h	
AUTO	LNITIAT	100 01 (5)	<u>the St</u>		y uas	reat	<u>iment</u>	<u>System</u> I	Jue to ra	<u>auity M</u>	(eruel r	<u>1005 k</u> 1	<u>auiati</u> Othor	<u>on mon</u> Eacili	tion	Involve	1 (8)	
ven	<u>Event Date (5)</u> <u>LER Number (6)</u> <u>Report Date (7)</u> <u>Utner Facilities Involved (8)</u>																	
	Uay	lear	rear	11/1	Numb	er	11/1	Number		Jay				Hames		Vec Noin	<u>JEI (37</u>	
													N/A		0 15	10 10	10 1	
						1 10		0 1 0		2 10			NI / A	_	0.15			
		3 0	010	тшт		<u>1 19</u> DT TO				14 10 10 THE	10 1 0	MENTS	<u>N/A</u>	FD	10 15			I
OPERA	ATING				ack on	RI 13 9 0m	more	of the	following	5) (11)	REQUIRE	11 1111 3		T K				
MOD	DE (9)		N	1720	$120 \ 402(b)$ 20 \ 405(c) x 50 \ 73							0.73(a	(2)(i)	v)		173.71	(b)	
POWER	1		•	<u> </u>	20.40	-(-, 5(a)(1)(i)		50.36(c)	(1)	5	0.73(a)(2)(v)		73.71	(c)	
LEVEL					20.40	5(a)(1)(ii		50.36(c)	(2)	5	0.73(a)(2)(v	ii)		Other	(Spec	ify
(10)	0	0	0		20.40	5(a)(1)(ii	i)!	50.73(a)	(2)(i)	5	0.73(a)(2)(v	iii)(A)	in Ab	stract	
1,1,1,1,1,1,1	,,,,,,,,,,,	<i>.,,,,,,,</i> ,,	, , , , , ,	 	20.40	5(a)(1)(iv) []!	50.73(a)	(2)(ii)	5	0.73(a)(2)(v	iii)(B)	below	and i	n
	//////////////////////////////////////																	
LICENSEE CONTACT FOR THIS LER (12)																		
Name TELEPHONE NUMBER																		
													AREA	CODE				
Scott J. Briley, Technical Staff Engineer Ext. 2526 8 1 5 9 4 2 -2 9 2 0																		
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																		
CAUSE	SYSTE	1 COI	MPONENT	M	ANUFAC	- R	EPORT	ABLE //		USE	SYSTEM	COMP	ONENT	MANU	FAC-	REPOR	TABLE	//////////////////////////////////////
		- · -			TURER	+	TO NP	RDS				<u> </u>			<u>ER</u>		PRDS	//////////////////////////////////////
<u> </u>				G	10 <u>18</u> 		<u>N</u>	<u> </u>	////// 					┟╌┼╌╴		+		,,,,,,,,, ,,,,,,,,,
SUPPLEMENTAL REPORT EXPECTED (14)																		
						▲ <u>.×.</u>												
<u> </u>			• .											Date	(15)			1.
I TYES (IT VES, COMPLETE EXPECTED SUBMISSION DATE)																		

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

9010500 DR ADO:

On November 29, 1988 at 0330 hours with Unit 2 at 0% thermal power in the Refuel mode, the Instrument Maintenance Department (IMD) was performing Dresden Instrument Surveillance (DIS) 1700-15, Refuel Floor Radiation Monitor Calibration and Functional Test. During the surveillance, the Reactor Building Ventilation System tripped and 2/3 A Standby Gas Treatment (SBGT) System auto initiated. At the time of the event, an IMD technician was verifying the downscale setting of the 2A refuel floor radiation monitor. At 0342 hours the Reactor Building Ventilation System was returned to normal and the SBGT System was secured. The cause of this event has been attributed to a faulty trip check pushbutton switch. It is believed that when the trip check switch was pushed, the radiation monitor momentarily spiked upscale resulting in the unexpected initiation of SBGT. All steps of the procedure were performed again to verify proper operation of the refuel floor radiation monitors. Work Request 80242 was submitted to repair or replace the trip check switch. A review of past Licensee Event Reports revealed one similiar event, however, it was not due to a faulty trip check switch.

۲ <u>ــــــــــــــــــــــــــــــــــــ</u>	ICE EVENT REPORT (LER) TE	XT CONTINUATION	Form Rev 2.0
FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)	Page (3)
•		Year /// Sequential /// Revision	
	0 5 0 0 0 2 3 7	8 8 - 0 1 9 - 0 0	0 12 OF 0 13

¥. X.

TEXT Energy Industry Identification System (EIIS) codes are identified in the text as [XX]

PLANT AND SYSTEM IDENTIFICATION:

General Electric - Boiling Water Reactor - 2527 MWt rated core thermal power.

Nuclear Tracking System (NTS) tracking code numbers are identified in the text as (XXX-XXX-XX-XXXXX).

EVENT IDENTIFICATION:

Auto Initiation of the Standby Gas Treatment [BH] System Due to a Faulty Refuel Floor Radiation Monitor [IL] Test Switch.

A. <u>CONDITIONS PRIOR TO EVENT</u>:

Unit: 2

Event Date: November 29, 1988

Mode Name: Refuel

Event Time: 0330 hours

Power Level: 0%

Reactor Coolant System (RCS) Pressure: 0 psig

8. DESCRIPTION OF EVENT:

Reactor Mode: N

On November 29, 1988 at 0330 hours with Unit 2 at 0% thermal power in the Refuel mode, the Instrument Maintenance Department (IMD) was performing Dresden Instrument Surveillance (DIS) 1700-15, Refuel Floor Radiation Monitor Calibration and Functional Test. During the surveillance, the Reactor Building Ventilation [VA] System isolated and 2/3 A Standby Gas Treatment (SBGT) System unexpectedly initiated. At the time of the event, an IMD technician was verifying the downscale setting of the 2B refuel floor radiation monitor. The technician had reset the Channel A refuel floor radiation monitor prior to initiating a downscale signal on Channel B. While the Channel B downscale setting was being verified, the Reactor Building Ventilation System isolated and SBGT auto initiated. At 0342 hours the Reactor Building Ventilation System was returned to normal and the SBGT System was secured. All steps of the procedure were performed again to verify proper operability of the refuel floor radiation monitors. No further problems occured.

C. APPARENT CAUSE OF EVENT:

This report is being submitted in accordance with the requirement of 10CFR50.73(a)(2)(iv) which requires the reporting of any event or condition that results in the manual or automatic actuation of any Engineered Safety Feature (ESF). In order to verify the trip setpoint of the refuel floor radiation monitor, the IMD technician must depress the trip check pushbutton switch on the indicator and trip unit and adjust the trip check adjust potentiometer on the radiation monitor power supply, thereby injecting a variable simulated signal into the radiation monitor. It is believed that when the trip check switch was pushed, the monitor spiked upscale long enough to drop out the normally energized SBGT auto initiation relay but not long enough to initiate the upscale alarm relay. This caused the Reactor Building Ventilation System to isolate and the SBGT System to auto-initiate. The cause of this event is believed to be a faulty trip check pushbutton switch.

Ì	<u> </u>	ICE EVENT REPORT (LER) - TE	KT GONTINUATIO		Form Rev. 2.0
	FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER	(6)	Page (3)
	3		Year ///	Sequential /// Rev	vision
I	Dresden Nuclear Power Station	0 5 0 0 0 2 3 7_	8 8		1 0 0 13 OF 0 13
I	TEXT Foerov Industry Identi	fication System (FIIS) codes	are identified	in the text as (X)	(1

D. SAFETY ANALYSIS OF EVENT:

The refuel floor radiation monitors are designed to monitor radiation levels on the refuel floor and, upon abnormal radiation levels, isolate the normal Reactor Building Ventilation System and initiate the Standby Gas Treatment System. The SBGT System will then maintain a small negative pressure in the Reactor Building, thereby preventing a ground level release of airborne radioactivity. The initiation logic for the refuel floor radiation monitors is arranged such that a single upscale reading of greater than 100 mR/hr on either Channel A or B refuel floor radiation monitor will provide the required protective action. Additionally, if both Channel A and B monitors fail downscale the required protective action is also initiated. Consequently, as a result of the faulty trip check pushbutton switch, an invalid ESF actuation occurred; however, all systems performed as required. Hence, the safety significance of this event is considered minimal.

E. <u>CORRECTIVE ACTIONS</u>:

All steps in the procedure were performed again to verify proper operation of the refuel floor radiation monitors. Work Request 80242 was submitted to repair or replace the trip check pushbutton switch (237-200-88-14101). This maintenance will be completed prior to the next performance of DIS 1700-15 (237-200-88-14102). As this is not a recurring problem, no further corrective actions are required.

F. <u>PREVIOUS EVENTS</u>:

LER Number/Docket Number Title

86-08/050237

Automatic Initiation of the Standby Gas Treatment System Caused by a Refuel Floor Area Radiation Monitor Failing Upscale.

This event was due to a failed Geiger Mueller tube in the sensor/converter assembly. The tube was replaced and the monitor was successfully calibrated.

G. <u>COMPONENT FAILURE DATA</u>:

Manufacturer	Nomenclature	Model Number	MFG Part Number
General Electric	Area Radiation Monitor	Туре DW-91	12982802

As this failure is not reportable to NPRDS, an industry wide NPRDS data base search was not performed.



Commonweith Edison Dresden Nuclear Power Station R.R. #1 Morris, Illinois 60450 Telephone 815/942-2920

December 28, 1988

EDE LTR #88-960

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

Licensee Event Report #88-019-0, Docket #050237 is being submitted as required by Technical Specification 6.6, NUREG 1022 and 10 CFR 50.73(a)(2)(iv).

L. F. Dorwer for

E.D. Eenigenburg Station Manager Dresden Nuclear Power Station

EDE/ade

Enclosure

cc: A. Bert Davis, Regional Administrator, Region III File/NRC File/Numerical

م م

0455k