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# REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

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NOTE TO ALL "RIDS" RECIPIENTS:

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ROCHESTER GAS AND ELECTRIC CORPORATION 🔹 89 EAST AVENUE, ROCHESTER N.Y. 14649-0001

TELEPHONE AREA CODE 716 546-2700 NEV YORK STATE

ROBERT C. MECREDY Vice President Ginna Nuclear Production

February 14, 1992

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

Subject: LER 92-001, (Revision 1) Failure of Containment Radiation Monitor Due To Unknown Cause, Causes Containment Ventilation Isolation (i.e. ESF Actuation) R.E. Ginna Nuclear Power Plant Docket No. 50-244

In accordance with 10CFR50.73, Licensee Event Report System, item (a)(2)(iv), which requires 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 event report LER 92-001 (Revision 1) is hereby submitted. This revision is necessary to add an expected submission date of a supplemental report.

This event has in no way affected the public's health and safety.

Very truly yours,

hud CMenely Robert C. Mecred

xc: U.S. Nuclear Regulatory Commission Region I 475 Allendale Road King of Prussia, PA 19406

Ginna USNRC Senior Resident Inspector

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	Immediate operator action was to perform the applicable alarm response procedures actions. This included verifying automatic actions, determining the cause of the containment ventilation isolation, and making appropriate notifications.													
	T O	he imn f R-11	edi	ate ca	use o	of tl	ie ev	ent '	was (	determin	ned to 1	be th	le fa	ilure
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	т		RK-RV	ENT PL	ANT CO	N	DI	тI	ON	IS												

The plant was at approximately 98% steady state reactor power with no major activities in progress.

### II. DESCRIPTION OF EVENT

# A. DATES AND APPROXIMATE TIMES OF MAJOR OCCURRENCES:

- o January 5, 1992, 0240 EST: Event date and time.
- O January 5, 1992, 0240 EST: Discovery date and time.
- January 5, 1992, 0252 EST: Control Room operators restore R-11 (Containment Particulate Radiation Monitor and reset containment ventilation isolation).

### B. EVENT:

On January 5, 1992 at approximately 0240 EST, with the reactor at approximately 98% full power, the following control board alarms were received, E-16 (RMS Process Monitor High Activity) and A-25 (Containment Ventilation Isolation). The Control Room operators, responding to the above alarms, observed . that R-11 (Containment Particulate Radiation Monitor) had the light indicating failure illuminated. The Control Room operators immediately referred to alarm response procedures AR-A-25 and AR-RMS, and verified that all containment ventilation isolation valves that were open, closed as designed and performed the applicable actions of the alarm response procedures. Subsequently, at approximately 0242 EST, Control Board alarm E-20 (CNMT Or Plant Vent Rad Mon Pump This alarm was due to the trip Trip) was received. of the containment radiation monitor pump and isolation of the containment valves to and from the pump. The Control Room operators also verified that the other containment process radiation monitors were reading normal prior to the radiation monitor pump trip.

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	D.	OTHER SYSTE	MS OR SECONDARY F	UNCT	<b>'I</b> 0	ns af	FEC	TED:			
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-		0 R-10A,	Containment Iodi	ne R	MS	Moni	tor	•	•		-
	4	o R-11, (	Containment Parti	cula	te	RMS I	Mon	itor	•		
		0 R-12, (	Containment Gas R	ms m	ion	itor				•	
	E.	METHOD OF D	ISCOVERY:	-							
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F.	OPERATOR ACT	ION:			
	Control Room	m operators resp	ponded to	the event l	by
	periorming t	E-16. A-25. RMS	$E_1 = 100$ or $a_1$	0 and oth	se er
	actions as t	hey deemed neces	sary. This	included th	he
,	following:	-	-		
	o Verifvi	ng that all	containment	ventilati	on
	isolati	on valves that	were open	, closed	as
	designe	d.	-		
	o Iddrees	ing the plant Tec	hnical Snec	ifications (	to
	ensure	the plant was	operating	within the	se
	specifi	cations.			
	o Doglawi	ng D.11 inchem	hla nom o	alm i m i antronato i s	
	o Declari	ng R-11 Inopera re A-52.4 (Contro	ble per a l of Limiti	ng Condition	ve ns
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			4.4.9		
	o Resetti ventila	tion isolation s	ignal and i	containme restarting	nc R-
	10A, R-	·11, and R-12 sa	mple pump a	and verifyi	ng
	sample	flow was re-estab	lished.	, a —	-
	0 Verifyi	ng that R-101	R-11 D-12	RMS monit	or .
	reading	s returned to nor	mal.	MIS MONIC	
		•	_		
	o Notifyi	ng the NRC and h	igher super	vision of the	he
	ESF act	uation.			
. G.	SAFETY SYSTE	M RESPONSES:			
	The contain	ment ventilation	isolation	valves that	at
	were open, c	losed automatica	lly from the	e containme	nt
	ventilation	isolation signal.			
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### CAUSE OF EVENT III.

#### A. IMMEDIATE CAUSE:

The containment ventilation isolation was due to an R-11 failure.

#### ROOT CAUSE: в.

After the following troubleshooting, the root cause still remains undetermined at this time:

- Instrument and Control (I&C) Department The ο calibrated the R-11 drawer with no adjustments required.
- Victoreen Inc., the manufacturer of the instrument 0 was called. Victoreen Inc. concluded that, the probable cause was the micro-processor "lockingup" and it was reset by the operators cycling its AC power supply off and on. They suspect it ' may be a "one time" event.

### IV. ANALYSIS OF EVENT

This event is reportable in accordance with 10CFR50.73, Licensee Event Report system, item (a)(2)(iv), which requires reporting 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 containment ventilation isolation due to the R-11 failure, was an automatic actuation of an ESF subsystem.

An assessment was performed considering both the safety consequences and implications of this event with the following results and conclusions:

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A							EXPIRES 8/3	1 85	
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۷.	CORR	ECTIVE ACTION	[						
٠	λ.	ACTION TAKEN NORMAL STATU	I TO RETUR IS:	n Affe	CTED S	YSTEMS	to pr	B-EVEN	IT
·		o The Co that that the due to contain restore	ntrol Room ne contain the R-11 ment vent d the syst	n oper ment v failur ilatio em to	ators, ventila e, res n iso pre-ev	aften ation set R-1 plation vent st	r dete isolat 11, re sign atus.	erminin ion wa set th al an	ig is ie id ·
	в.	ACTION TAKEN	OR PLANNI	d to p	REVENI	RECUR	RENCE:		
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		o Enginee situati desirab	ring has on and w le follow-	been i ill pr up act	nvolve covide ions.	d in a guida	assess: ince f	ing th or an	le ly
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RE Ginna Mucle	ar Power Dlant			
UCT /// mare apace is required, use of	national HRC Form JBEA's) (17)			
VI.	ADDITIONAL INF	FORMATION		
۰. ۲	A. FAILED CO	OMPONENTS:		
	The R-11 Victoreer	drawer was a mod	lel #942A, manufac	ctured by

## B. PREVIOUS LERS ON SIMILAR EVENTS:

A similar LER event historical search was conducted with the following results: LERs 87-005, 88-007, 89-011, 89-013, and 89-014 were similar events with known causes that appear much different than this event. No other documentation of similar events could be identified.

## C. SPECIAL COMMENTS:

None.

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