REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:9907220014 DOC.DATE: 99/07/15 NOTARIZED: NO DOCKET # FACIL:50-244 Robert Emmet Ginna Nuclear Plant, Unit 1, Rochester G 05000244 AUTH.NAME AUTHOR AFFILIATION ST MARTIN,J.T. Rochester Gas & Electric Corp. MECREDY,R.C. Rochester Gas & Electric Corp. RECIP.NAME RECIPIENT AFFILIATION

VISSING, G.S.

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SUBJECT: LER 99-010-00:on 990615, ventilation isolation of auxiliary bldg occurred when auxiliary bldg gas radiation monitor R-14 reached high alarm setpoint.CR operators rest auxiliary bldg ventilation isolation signal.With 990715 ltr.

DISTRIBUTION CODE: IE22T COPIES RECEIVED:LTR _ ENCL _ SIZE: _____ TITLE: 50.73/50.9 Licensee Event Report (LER), Incident Rpt, etc.

NOTES:License Exp date in accordance with 10CFR2,2.109(9/19/72). 05000244

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ROBERT C. MECREDY Vice President Nuclear Operations

July 15, 1999

U.S. Nuclear Regulatory Commission Document Control Desk Attn: Guy S. Vissing Project Directorate I-1 Washington, D.C. 20555

Subject: LER 1999-010, Radiation Monitor Alarm, Due to Higher than Normal Radioactive Gas Concentration, Results in Auxiliary Building Ventilation Isolation R.E. Ginna Nuclear Power Plant Docket No. 50-244

Dear Mr. Vissing:

The attached Licensee Event Report LER 1999-010 is submitted in accordance with 10 CFR 50.73, 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)".

Very truly yours,

Robert C. Mecredy

xc: Mr. Guy S. Vissing (Mail Stop 8C2)
Project Directorate I-1
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

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

U.S. NRC Ginna Senior Resident Inspector

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NRC FORM 366 (6-1938) U.S. NUCLEAR REGULATORY COMMISSION (6-1938) U.S. NUCLEAR REGULATORY COMMISSION (6-1938) U.S. NUCLEAR REGULATORY COMMISSION Information collection request: 50 hrs. Reported less and add information collection request: 50 hrs. Reported less and the second feed back lea											d lessons learned						
LICENSEE EVENT REPORT (LER)										Industry. Forward comments regarding burden estimate to the Records Management Branch (T-6 F33), U.S. Nuclear							
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R. E. Ginna Nuclear Power Plant 05000244 1 OF 5										1 OF 5							
TITLE (4)	tion N		Inne Dur	4			- L D		-			-					
Ventil	ation	Isolation	iarm, Due	to Higher th	an N	orm	al Radioa	ctive Ga	s Co	ncent	tratic	on, Results	in Auxi	iliary B	uilding		
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MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER		nsion Mber	MONTH	DAY	Υ	rear	FAC	UTY NAME		DOCKET	NUMBER 5000		
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On Ju	ne 15	5, 1999, a	at approxi	mately 0356	EDS	ST, tł	ne plant v	was in N	lode	1 at	appr	oximately	100% s	steady	state		
reacto	r pov	ver. Read	tor coolai	nt activity wa hing a CVCS	as hig	gher	than nor	mal due	to a	susp	ecte	d leaking f	uel asse	mbly.	During		
the tar	ik an	d radioac	tive gas c	oncentration	incre	ease	d within t	the auxil	iarv I	buildi	na. v	where the [.]	tank is l	located	1. A		
ventila	tion i	isolation d	of the aux	iliary building	g occ	urre	d when a	uxiliary	build	ing g	as ra	diation mo	nitor R	-14 rea	iched its		
•		setpoint.	•	4	_			-									
Immed	late	operator a	action was	s to perform	the a	applic	cable acti	ions of a	larm	resp	onse	procedure	s.				
Correc	tive a	action to	prevent re	currence is o	outlin	ned ir	n Section	V.B.									
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NRC FO (6-1998)	RM 366/	A		U.	S. NU	CLEAR	REGI	ULATORY	COMN	ISSION	l			
	•	LICENSEE EVENT TEXT CONTI		ER).		s								
		FACILITY NAME (1)	DOCKET (2)		LER	NUMBE	R (6)		PA	PAGE (3)				
			YEAR		SEQUENTIAL NUMBER		REVISION NUMBER							
		uclear Power Plant	1999	**	010		00	2	OF 5	;				
TEXT (//	XT (If more space is required, use additional copies of NRC Form 366A) (17)													
1.	PRE-EVENT PLANT CONDITIONS:													
	On June 15, 1999, the plant was in Mode 1 at approximately 100% steady state reactor power. Activity of the reactor coolant system (RCS) was higher than normal (by a factor of approximately six) due to a suspected leaking fuel assembly. RCS fluid is routinely diverted to one of three CVCS holdup tanks in the auxiliary building. Planned draining of the "A" CVCS holdup tank to the auxiliary building sump had just been completed. Radioactive gas was released from the tank to the auxiliary building atmosphere during the final stages of draindown. Due to the increased RCS activity and consequent increased activity in the CVCS holdup tanks, airborne radioactive gas concentration increased within the auxiliary building to levels higher than normal for this evolution. Control Room operators noted increases in radiation monitors R-13 (auxiliary building particulate) and R-14 (auxiliary building gas).													
11.	DESCI	RIPTION OF EVENT:					ţ	,						
	Α.	DATES AND APPROXIMATE TIMES OF MA	JOR OCCURRE	NCES:										
		o June 15, 1999, 0356 EDST: Event c	late and time.					,						
		o June 15, 1999, 0356 EDST: Discove	ery date and tir	ne.										
		o June 15, 1999, 0357 EDST: Control isolation functions have occurred.	l Room operato	rs verif	y all	auxilia	ry Ł	ouilding	ventil	ation				
	в.	EVENT:												
•	B. EVENT: When R-13 and R-14 increased above 100 counts per minute, the Control Room operators directed an auxiliary operator (AO) to close the drain valves from the "A" CVCS holdup tank in the auxiliary building. He closed these valves but the already released airborne radioactive gas continued to increase the readings on radiation monitors R-13 and R-14. At approximately 0356 EDST, the Control Room operators received annunciator alarm L-1 (AUX BLDG VENT SYSTEM CONTROL PANEL), indicating that an auxiliary building ventilation isolation had occurred. The Control Room operators verified that radiation monitor R-14 had reached its high alarm setpoint, causing the ventilation isolation.													
		The Control Room operators immediately reference procedure AR-RMS-14, and verified that aux performed the applicable actions of the alarm	iliary building v	entilatio	on is	orocedu colation	ire / ha	AR-L-1 d occur	and rred. T	They				
		After consulting with the Radiation Protection setpoints for R-13 and R-14 were set with ex- limits as defined by the Offsite Dose Calculat activity. After the activity decreased in the a reset.	xcessive conse tion Manual), w	rvatism vith leal	i (apj king	proxim fuel ca	atel Iusir	y 1% o ng eleva	of the r ated R	cs	*			
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TEXT CONTINUATION													
<u> </u>		FACILITY NAME (1)	<u></u>	PAG	E (3)								
			DOCKET (2)	YEAR		NUMBE	T	REVISION					
R.E. G	iinna Nu	iclear Power Plant	05000244	1999		NUMBER 010		NUMBER	3 0				
		ace is required, use additional copies of NRC Form 366				=====	w		3 0	F 5			
	r more sp	ace is required, use additional copies of NRC Form 366,											
	C.												
4		None											
	D.	OTHER SYSTEMS OR SECONDARY FUNC	TIONS AFFECTE	D:									
		None						*					
	Е.	METHOD OF DISCOVERY:											
	L ,		9										
-		This event was anticipated due to the observed increase in airborne radioactivity in the auxiliary building during the draining evolution. The actuation of auxiliary building ventilation isolation was immediately apparent due to Main Control Board annunciator alarm and other indications of the auxiliary building ventilation system on the Main Control Board.											
	F.	OPERATOR ACTION:											
		The Control Room operators discussed the prior to starting the draindown evolution. 14 by directing that the drain valves be clo event by performing the applicable actions deemed necessary. The Control Room ope inspector. The Shift Supervisor subsequen emergency four hour notification, at approx	They responded sed. The Contro of alarm respons rators notified hi tly notified the N	to the i ol Room se proc igher su NRC per	incre o ope edur uper r 10	ease in erators es, and vision CFR 5	cou res d oth and i0.72	nts on ponded her acti the NR 2 (b) (2	R-13 ar to the ons as C reside	nd R- ent			
	G. ¹	SAFETY SYSTEM RESPONSES:											
		None							·				
Ш.	CAUS	E OF EVENT:											
	Α.	IMMEDIATE CAUSE:		•					•				
		The immediate cause of the auxiliary buildin setpoint due to increased radioactive gas co								arm			
	в.	INTERMEDIATE CAUSE:					•						
		The intermediate cause of the increased rac the "A CVCS holdup tank, as a result of hig leaking fuel assembly) and consequent high	pher than normal	I RCS a	ctivi	ity (du	e to	a suspe	ected	on of			

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10.1003,						LIC	CEN		EE EY				ORT (I ON	LER).								* •	
			FACILI	TY NAI	ME (1)							DOCK	ET (2)			LER	NUM	BER (6	5)		P/	AGÉ ((3)
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TEXT (/	lf more spac	ce is req	quired,	use add	ditional	l copie	ies of	f NR(C Form	m 366.	5A) (17)									<u>.</u>		<u></u>
	C.	ROOT	ΓΟΑΙ	JSE:																			
			suspe	cted l	eaking	g fue	el, a	and 1	the o	origina	nal pl	lanniı	excess ng pac VCS h	kage f	or	the							
IV.	ANALY	sis oi	FEVE	NT:																			
	ANALYSIS OF EVENT: This event is reportable in accordance with 10 CFR 50.73, 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)". The auxiliary building ventilation isolation due to R-14 alarm was an automatic actuation of a system referred to in 10 CFR 50.73 (a) (2) (iv) (B) (v).												/), '										
	An asse with the	e follov	nt wa wing	s perf result:	orme s and	d coi con	nsid Iclus	derin sion	ng bo is:	oth th	he s	afety	conse	quenc	es	and	impli	icatio	ons of	th	is eve	ent	
		There ventila						safe	ety co	onsec	quer	ices	or impl	licatio	ns a	attri	buted	i to 1	he au	ıxili	iary b	uildi	ing
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	LICENSEE EVENT REPORT (LER) TEXT CONTINUATION													
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	NUMBER NUMBER													
R.E. G	R.E. Ginna Nuclear Power Plant 05000244 1999 010 00													
TEXT //	TEXT (If more space is required, use additional copies of NRC Form 366A) (17)													
V. CORRECTIVE ACTION:														
	Α.	ACTION TAKEN TO RETURN AFFECTED SYSTEMS TO PRE-EVENT NORMAL STATUS:												
		The Control Room operators reset the auxiliary building ventilation isolation signal and restored the system to pre-event status.												
	В.	ACTION TAKEN OR PLANNED TO PREVENT RECURRENCE:												
		 New R-13 and R-14 alarm setpoints are being evaluated as appropriate for current plant conditions. Plant setpoint procedure P-9 (Radiation Monitoring System) will be revised to reflect these setpoints. 												
× 、		O Ginna Station will develop a comprehensive response plan to address operation with suspected leaking fuel assemblies. This plan is intended to include provisions for reviewing the effects on normal plant operations from elevated RCS activity, the effect on gaseous releases to the environment, the effect on potential doses to workers, and instrumentation responses (including setpoint adjustments if warranted).												
VI.	ADDIT	IONAL INFORMATION:												
	Α.	FAILED COMPONENTS:												
		None												
	в.	PREVIOUS LERs ON SIMILAR EVENTS:												
		A similar LER event historical search was similar event (containment ventilation isol		he following results: LER 97-0	04 was a									
	C.	SPECIAL COMMENTS:												
		None												
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NRC FORM 366A (6-1998)

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