HAC Para	. 386				LICE		T REP	ORT	LER)	U.L. NUCL	EAR REGULAT	C. 3150-0104
ACILITY	-					······································			DX		3	PAGE IS
L	aSall	e Cour	nty	Station U	nit 1				0	15 0 01	0 13 1 71 3	3 1 OFO 13
-					Ventile	tion Ammor	1.101	lorin	Detect	ion Syste		
+	BILUTIS	e of u	ont	LER NUMBER I	ventria	REPORT DATE	17	10111	OTHER F	ACILITIES INVOLV	-	
MONTH DAY YEAR YEAR SEQUENTIAL REVIEW			MONTH DAY YEAR PACILITY HAM			DOCKET NUMBERIE						
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	DOR (B)	4	20.4	C(2 (b))		20.406+s)		XX	80.736102HW		73,716)	
HOWE			20.4	06 is H11 10		(11(4)06,08			80.73ie/(2H+)		71.314	
(10)	- 101	0 0	20.4	OE-(a)(1)(E)		90.36 (a) (2)		H	80.734a)(2)(148)	OTHE		In Tast, NAC Form
20.406(a)(1)(6)			H	60.736(2)(I) 60.736(2)(I)		H	80.73(a)(2)(will)(8)					
		- F	70.4		H	96.73e1(2)(W)			80.73(a) (2)(x)			
			-		L	CENSEE CONTACT	POR THIS	ER (12)				
NAME						1444 - 15 Y M 3 4 4 7 1				ANEA CODE	TELEPHONE NUMBER	
V	incen	t Mas	ters	on. E.A	Extens	ion 499				8,1,5	315171	-161761
	Theen			COMPLETE	ONE LINE FOR	EACH COMPONENT	FAILURE	DESCRIBE	D IN THE REPORT	r (130		
CAUSE	-	COMPON	ENT	MANUTAC TUPER	TO NPRDS		CAUSE	SYSTEM	COMPONENT	MORTHAC TIMER	TO NPRDS	-
С	V11	Of Dj	EIT	M 01218	N		X	VII	O A M P	M10 12 18	N	· .
c	VII	OF DI	EIT	PI 11515	N				1.1.1.	111		
	1.1.1	<u> </u>		B.SPLEM	INTAL REPORT	EXPECTED INS				EXPECTE	MON	TH DAY YEAR
_										DATE INS	· .	
	On Mar I System reveal inoper a faul vere i 3.3.7. .34054 detect	ch 8, stem a led th able. Ity op in col 8, th and tors w	198 larm e VI tica d st L340 ere	84, the an med. An a system ' me V! syst al isolato nutdown (I system ' 055 were y repaired	nmonia/c attempt 'B'' Trai tem ''A'' or. At Conditio ''A'' Trai generate on 3/12	to reset n Ammonia Train Amm the time on 4). In in was run ed to inve 2/84 and r	onito the a /Chlo onia of th acco in t stiga eturn	rs OA larm detec e.occ rdanc he re te an ed to	E-VC091A was unsuc detectors tor was a urrence, e with Te circulati d repair service	and DAE-V cessful. to be fr lso inope both Unit chnical S on mode. the detect on 3/13/8	CO91B f An inv ozen, m rable, 1 and pecific Work F tors.	or the restigation aking ther indicating Unit 2 ation Requests The
	8P.5	40605 DR AD	026	2 84052 050003	5 73 0R					TE2	r	

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NC Form 2044	LICENSEE EVENT REPO	ORT (LER) TEXT CONTINU	NOITAL	EXPIRES BOIR	+O. 31800104
CILITY NAME	(1)	DOCKET NUNCER (2)	LER NUMBE		
			VEAR SECUENT	AL NEVGION	
LaSal	le County Station Unit 1	0 15 10 10 10 13 7 13	8 4 0 1	7 - 0 1 0	20F03
	a manufact, and accelerate Marc Asses Sela by (17)				
1.	EVENT DESCRIPTION:				
	On March 8, 1984, the Ammon the Control Room Heating, V alarmed. After a determina not exist, an attempt was m	ia/Chlorine monitors entilation and Air C tion that an actual ade to reset the ala	OAE-VC091A onditioning ammonia/chic rm unsuccess	and OAE-VCO System (VI) prine condit sfully.	91B for ion did
	An investigation revealed t detectors were frozen makin detector was also inoperabl Train Chlorine detector was occurrence.	hat the VI system "B og them inoperable. e due to a fault functional and rema	" Train Ammo The VI syste y optical is ined operab	nia/Chlorin m "A" Train solator. Th le during th	e Ammonia ne "A" ne
	The VI system was placed in failures on the "A" and "B"	the recirculation m trains.	node as a re	sult of the	concurrent
11.	CAUSE:				
	At the time of the occurrent cold shutdown (Condition 4 the shutdown cooling mode (BO) in the shutdown cooli	nce on March 8, 1984). The "B" Residual on Unit 1, and the " ng mode on Unit 2.	at 1700, Un Heat Remova A" Residual	its 1 and 2 1 System (BC Heat Remova	were in D) was in I System
	The "A" Control Room Venti receiving the high ammonia	lation (VI) train wa and chlorine alarms	s in operati in the Cont	on at the t rol Room.	ime of
	The cause for the failure was due to freezing of the occurred when the Turbine was left open to allow war was occurring on the filte the filter door open would was that large amounts of pile up at the "B" Train W resulted in the freezing o	of the VI system "B" sensing lines and d Building Ventilation m air to enter the f rs to the VK supply aid in melting the snow were blown out I system ammonia/chl of the detector assem	Train Ammon etector asse System (VK) ilter train. fan. It was snow accumul of the filte orine detect blies.	ia/Chlorine mbly. The filter tra Heavy sno felt that lation. Wha ar train to tor assembly	detectors freezing in door w formatio leaving t occurred eventually . This
	The failure of the "A" Tra the Darlington amplifier f caused by the defective Da energizing causing its ind failure of the optical iso having their collectors co transistor connected to the pair was found to be broke	ain VI system ammonia for the master fault arlington Amplifier r dicating lamp to exti- blator. The Darlingt onnected together and he base of the other en resulting in the o	relay. The resulted in nguish. Th ton pair con d having the A connect optical isol	as due to a low signal the master f is appears a sists of two emitter of ion on the l ator failure	failure of output fault relay as a o transisto one Darlington e.
	These concurrent failures detectors.	resulted in the incl	perability o	f the chlor	ine/ammoni

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43.	LICENSEE EVENT REPOR	T "ER) TEXT CONTINU	ATION					
		DOCKET NUMBER (2)		PAQE 38				
			TEAA MOULATIAL	NUNIII				
	La County Station Unit 1	0 15 10 10 10 1 31713	814 - 917-	01 03 0501				
Lasal	Te Jounty Station on the							
111.	PRCEABLE CONSEQUENCES OF THE	OCCURRENCE						
	In accordance with Technical Cortrol Room charcoal filter moce.	Specification 3.3. system "A" train v	7.8, Action Sta was placed in th	tement b., the me recirculation				
	On high outside airborne chlorine/ammonia level being sensed the following take place:							
	a. The Control Room HVAC S	ystem is placed in	the Recirculati	ion mote.				
	b. Purge operation is proh	ibited.						
	c. The charcoal filter byp	ass dampers are cl	osed.					
	d. Outside air makeup da-p	ers are closed.						
	In addition to the above safeguards, the fuses were removed on the cuts air make-up dampers OVCO5YA/B and OVCO52YA/B to prevent their inadverte opening.							
	The Control Room ventilation nical Specifications placing	n system was operat g the plant in a co	ed in accordanc nservative cond	e with the Tech- ition of operati				
ιν.	IV. CORRECTIVE ACTIONS:							
	Work Requests L34054 and L3 The ammonia and chlorine de with the detector assemblies monitors re-calibrated.	4055 were generated tector sensing line s. The detector fl	l as a result of s were thorough ows were readju	the occurrence. Ity cleaned along sted and the				
	The "A" Train Ammonia/Chlor connecting the broken conne Recuests were completed on to service on 3/13/84 at 09	ine detector optica ction on the Darlin 3/12/84 and the det 00.	al isolator was ngton transistor tectors subseque	repaired by re- pair. The Worl ently returned				
•	Action Item Record (AIR) 01 problem of the ammonia/chlo	-84-67057 has been rine detectors.	written to reso	olve the freezin				
٧.	PREVIOUS. EVENTS:							
	LER 83-077/03L-0 Docket #50	-373 (Optical Isol	ator Failure)					
٧١.	NAME AND TELEPHONE NUMBER C	F PREPARER:						
	V'-cent Masterson, (815) 35	57-6761 ext. 499						

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Commonwealth Edison LaSalle County Nuclear Station Rural Route #1, Box 220 Marseilles, Illinois 61341 Telephone 815/357-6761

May 25, 1984

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

Dear Sir:

Reportable Occurrence Report #84-017-01, Docket #050-373 is being submitted to your office to supercede previously submitted Reportable Occurrence Report 84-017-00.

G. J. Diederich Superintendent LaSalle County Station

GJD/MLD/kg

Enclosure

xc: NRC, Regional Director INPO-Records Center File/NRC

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