NRC Form 366 (9-83)		LIC	ENSEE EVE	NT RE	PORT	(LER)	U.S. NUK	CLEAR REGULA PROVED OMB N (PIRES: 8/31/85	ORY COM	AISSION D4			
FACILITY NAME (1)						[0	OCKET NUMBER	(2)	PAG	E (3)			
Fort Calhoun Station, Unit No. 1						0 15 10 10 1	15 0 0 0 2 8 15 1 OF 01						
TITLE (4)													
EVENT DATE (5)	LER NUMBER	(8)	REPORT DAT	E (7)		OTHER	FACILITIES INVOL	VED (8)					
MONTH DAY YEAR YE	AR SEQUENTIAL	REVISION	MONTH DAY	YEAR		FACILITY NAN	AES	DOCKET NUMBE	R(S)				
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MODE (0) 4	20 402(b)	D PURBUANT 1	20 ADRIAL	NTS OF 10	CFR S: /	Check one or more o	of the following) (11	73.71(b)					
POWER	20.402(b) 20.402(b) 20.408(c) 1 50.73(a)(2)(v 20.408(c) 1)(i) 50.36(c)(1) 50.73(a)(2)(v			60.73(a)(2)(v)									
	EVEL 0 0 0 26.406(a)(1)(III) 80.36(a)(2) 50.73(a)(2)(vii)			50.73(a)(2)(vii)		pecity in Abi	tract						
	20.406(a)(1)(iii)		50.73(e)(2)(i)		_	50.73(a)(2)(viii)()	AJ .	366A)		c r grim			
	20.405(a)(1)(iv)		50.73(a)(2)(ii)		-	60.73(a)(2)(vill)(1	1001						
			ICENSEE CONTACT	FOR THIS	LER (12)	60.73(e)(2)(x)							
NAME	T Kusok S	unorviso	n-Onorati	one				TELEPHONE NUP	ABER				
Fort Calh	Eavrence I. Kusek, Supervisor-Operations				AREA CODE)E							
	COMPLETE	ONE LINE EOR	EACH COMBUNENT	FAILURE	DESCRIPT	NIN THIS BERGS	4 10 12	4 12161-	1410	1111			
	MANUEAC	REPORTABLE	ENCH COMPONENT	TAILURE	VEDUNIDE	-	MANJEAC	hencertain					
CAUSE SYSTEM COMPONEN	TURER	TO NPRDS		CAUSE	SYSTEM	COMPONENT	TURER	TO NPRDS					
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	SUPPLEM	ENTAL REPORT	EXPECTED (14)					MONT	H DAY	YEAR			
						EXPECTE SUBMISSIO	EXPECTED SUBMISSION						
YES IIT Yes, complete EXPECTED SUBMISSION DATE! NO						DATEIN	"						
During plant he Operating Instr Actuation Syste Engineered Safe monitor, RM-050 resulting from discharges to a result of back interface check During plant st check valves to	eatup and pr ruction OI-R m (VIAS) oc ety Feature 1. The actur the lifting floor drai leakage pas valves as artup, it i leak by un	essuriza C-2B, ar curred a (ESF)) w ation wa of the F n. The t one or RCS pres s not ur til RCS	ation foll n unplanne at approxi- vas initia s caused Reactor Co- RCDT fill r more Rea ssure was ncommon fo pressure	owing d actumately ted by by a l olant ed and ctor (being r the is hid	the uation 1210 the Drain d its Coolar incre RCS/1 gh end	1984 refu n of the O. The V containm airborne n Tank (R relief v nt System eased. Safety In ough to s	eling out Ventilati IAS actua ent radia activity CDT) reli alve lift (RCS)/Sa jection i eat them	age per on Isola tion (an tion pro in conta ef valve ed as th fety Inj nterface tightly.	plant tion cess inment which e ection	1			
No apparent equ	ipment malf	unctions	s, operato	r erro	ors, (or proced	ure viola	tions we	re				
On May 16, 1984 part of the Eng	, a VIAS tr ineered Saf	ip was i ety Feat	nitiated. ture (ESF)	The syste	VIAS em.	trip func	tion is c	onsidere	d				
NRC Form 300 (9-83)	840619016 PDR ADOCK S	4 8406) 050002	15 285 20R	5									

U.S. NUCLEAR REGULATORY COMMISS LICENSEE EVENT REPORT (LER) TEXT CONTINUATION APPROVED OMB NO. 3150-0104 EXPIRES 8/31/85									15510		
ACILITY NAME (1)	DOCKET NUMBER (2)				LER N	5) PA			AGE (3)	3E (3)	
	1.00			YEAR	SEO	UENTIAL		EVISION		TT	
Fort Calhoun Station, Unit No. 1						UNDER	1	UMBER			
	0 5 0	0 0 2	8 5	8 4	-0	07	-	1	0 2	OFO	.13
 Fort Calhoun Station, Unit No. 1 EXTIM more water a request, we extend AMC form SEALULT: During normal operation, the Contain setpoints are adjusted to give an in airborne activity. During refueling ably and set at the occupational MPC actuated, it indicates the necessity personnel inside containment. The C a similar fashion. The VIAS performs the following func Closes the containment purge va Closes the containment purge fan Closes the containment air samp Opens the inlet and outlet vent regenerant tank room. Starts both control room air con recirculation mode. Closes the waste gas header relied at the time of the unplanned VIAS act surized per Operating Instruction OI lowing the 1984 refueling outage. As the RCS is pressurized during stamay leak by until RCS pressure is his occurrence, one ormore of these interformant and relieved to the RCS/SI interface check valve pressure control valves began cycling surizing the Safety Injection leakage SI-222, lifted and relieved to the RCM surising RM-050 to go into a summediately reduced by operating RM-050 to go into a summediately reduced by operating RM-050 to go into a summediately reduced by operating RM-050 to go into a summediately reduced by operating RM-050 alarm cleared, ar pressure was increased, leakage past 	o 15 0 1 ment Air dication the alar for unid for use ontainmen tions: lves. alves. s. ling valv s to the nditionin ease valv tuation, -RC-2B in rtup, the gh enough rface che ves is no leakage p g to relin e-return CDT per da jection-Re lief valve containmen the Chemic e SI-222 for the inter the inter	o o o 2 Partic of a s m setp entifi of res t Gase es. safety g unit e to t the pl prepa RCS/S to se ck val rmally ressur eve the header esign. efuelin e, WD- ent sur us ini n the Scores Shortly AS loo	18 5 ulate ignif oint ed is pirat ous M inje s and he st ant w ratic afetyy ulate s and he st afety ves b cont e che . Th Becong Wa 501, mp. tiati Safet . Vol lose, ventor . Vol . V	8 4 Moniticant is lo otope ory p onito ction plac ack. as be n for Inje em ti egan rolle trol ck val e rel ause ter S lifte Airbo ng th y Inj valve ume C effe	- 0 + or l inclusion were s. I protection r RM ing H ing	I I I I I I I I I I I I I I I I I I I	o al indi is de the measure is o d up leak erfan y. tuat akag 3) f stem ermi inme	and the in	o 2 and tainm rm is ses fo ated the s a 1 f pre- the ck a 1 f pre- the ck a 2 f pre- the ck a 2 f pre- the ck a 2 f o f check a 3 f o f check a 5 f o f check a f o f check a 5 f o f of check a f o f of check a f o f of che	or alarn ent or in pent 00% s- 1- value the s- der, n an to heade he lo ity S	ves o nt oss

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NRC Form 363A (9-83)	ATIO	N	US	U.S. NUCLEAR REGULATORY COMMISSION APPROVED OMB NO. 3150-0104 EXPIRES 8/31/85						
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Fort Calhoun S	tation, Unit No. 1	0 15 0 0 0 2 8 5	814	_	01017	- 1	013	OF	0 3	

TEXT // more space is required, use additional NRC Form 366A's/ (17)

The actuation of the VIAS signal in this case was not initiated to mitigate the consequences of an event as described in the USAR. The actuation occurred while the plant was in a heatup evolution following the 1984 refueling outage. The setpoints in RM-050 were set at the lower, more conservative, refueling alarm setpoints. Because the RCS temperature was greater than 210°F, containment integrity was in force and the containment ventilation valves were closed and sealed. Thus, no radioactive release to the environment occurred and the Emergency Response Plan was not initiated. All plant systems involved in this scenaric operated within their design basis and no equipment was damaged or failed.

Although Operating Instruction OI-RC-2B contained a note regarding RCS/SI interface check valve leakage, a procedure change has been submitted to elaborate the operator actions that can be taken to minimize the consequences to the check valve leak-by.

Numerous VIAS actuations have occurred since the new LER rule went into effect on January 1, 1984. These VIAS actuations were reported in LER 84-005. Although fourteen (14) VIAS actuations were reported in LER 84-005, this is the first instance in which a VIAS actuation was caused by RCS/SI interface check valve leakage.

Omaha Public Power District 1623 Harney Omaha, Nebraska 68102 402/536-4000

June 15, 1984 FC-317-84 LIC-84-178

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

Reference: Docket No. 50-285

Gentlemen:

Licensee Event Report for the Fort Calhoun Station

Please find attached Licensee Event Report 84-007 dated June 15, 1984. This report is being submitted per requirements of 10 CFR 50.73.

Sincerely,

W. C. Jones Division Manager Production Operations

WCJ/JJF:jmm

Attachment

cc: Mr. Richard P. Denise, Director Division of Resident, Reactor Project & Engineering Programs U. S. Nuclear Regulatory Commission Region IV 611 Ryan Plaza Drive, Suite 1000 Arlington, Texas 76011

> INPO Records Center Mr. E. G. Tourigny, Project Manager

SARC Chairman PRC Chairman Mr. L. A. Yandell, Senior Resident Inspector Fort Calhoun File (2)

Employment with Equal Opportunity Male/Female