IRC For	* 366			LIC	ENSEE EVE	NT REP	PORT	LER)		CLEAR REGULATORY COMMISSION APPROVED OMB NO. 3150-0104 EXPIRES 8/31/86
ACILITY	V NAME I		-						OCKET NUMBER	The second
1718 (4		PLANT MA	TCH, UNIT	1					0 5 0 0	03 2 1 1 000
DEG	RADED	OIL CAUS	ES REACTOR	WATER	CLEANUP IS	OLATI	ON			
Ev	ENT DATE	(6)	LER NUMBER	6)	REPORT DATE	(7)		OTHER	ACILITIES INVOL	VED (#)
MONTH	DAY	YEAR YEAR	SEQUENTIAL NUMBER	REVELON NUMBER	MONTH DAY	YEAR		FACILITY NAM	18	DOCKET NUMBER(S)
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	001 (8)	interesting of the local division of the loc	402(6)	-	20.406(c)		X	80.73(s)(2)(x)		73.71(b)
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		tone or descent descent of	406(+)(1)(0)		80.73(+1(2)(1)			80.73(a1(2)(vill)(4		below and in Text, NAC Form 365A)
		20	408(a)(1)(u)		80.73(a)(2)(0)			60.73(a)(2)(vil)(8		
		20	406(a)(1)(v)		60.73(a1(2)(iii)			60.73(g)(2)(x)		
AME		and an an an external data			ICENSEE CONTACT	FOR THIS	LER (12)		1	TELEPHONE NUMBER
									AREA CODE	and all and a second of the second
Ste	even	B. Tipps,	Manager N	luclear	Safety and	Comp	liance	e, Hatch	9112	3 6 7 - 7 8 5
			The second distances in the second distances of the se	1	EACH COMPONENT	PAILURE	DESCRIBE	O IN THIS REPOR	+	
CAUSE	SYSTEM	COMPONENT	MANUFAC. TURER	TU NPROS		CAUSE	SYSTEM	COMPONENT	MANUFAC TURER	REPORTABLE TO NPROS
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			SUPPLEM	INTAL REPORT	EXPECTED (14)				EXPECTE	D MONTH DAY YEAR
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	ap th Co Gr En Th ex	proximate ermal pow ntainment oup 5 iso gineered e probabl	power lev er). The Isolation lation sig Safety Fea e root cau ausing abs	vel of 2 Reactor System gnal. T ature. use of t	0900 CDT, 436 MWT (a Water Cle (PCIS EII his was an his event ystem wear	pprox anup S Cod unan was u	imate (RWCU e JM) ticip il de	ly 100 pe EIIS Cod Valves c ated actu grading f	rcent of le CE) Pri losed on lation of aster tha	rated mary a an
	in su pl pl ve co ap	to servic spected o acing the ant, 5) r ndor, 6) nditions	e, 2) repu il offsitu suspected eplacing determinin contains	airing t e by Sep d batch the oil ng that this bat	event incl he "B" RWC tember 29, of oil on with synth no equipme ch of oil, the resul	U pum 1988 hold etic nt wi and	p, 3) , for to pr oil p th si 7) up	sending further event its rovided b milar ope dating th	a sample analysis, use in t y a diffe rating is report	of the ,4) the trent

CILITY NAME	141		DOCKET NUMBER (2)	-	EXPRES 3 21	PAG1 (3)
				VEAR SEQUEN		
PLANT	натсн,	UNIT 1	0 15 10 10 10 3 2			
KT /# more ape	ce le required, s	ise extentional NRC Form 3864 \$/ (17)		and a sheet has a here the second	he contraction descent	
Α,	REQUI	IREMENT FOR REPORT				
	unpla	anned actuation of rred. Specifically	i per 10 CFR 50.73(a)(2 an Engineered Safety F , the Primary Containm oup 5 valves closed.	eature (ESF)		
В.	UNIT	(s) STATUS AT TIME	OF EVENT			
	1.	Power Level/Opera	ting Mode:			
			run mode at an approx mately 100 percent of			
	2.	Inoperable Equipm	ent:			
		There was no inop event.	erable equipment that	contributed t	o the	
с.	DESCR	RIPTION OF EVENT				
	1.	Event				
		Reactor Water Cle 1G31-COO1B, faile time, the seal fa room. The temper technical specifi and the RWCU isol	proximately 0900 CDT, anup (RWCU EIIS Code C d. Since the pump was ilure released steam i ature in the pump room cation setpoint of 150 ated on high room and osing the 1631-F001 an	E) pump "B", in service a nto the RWCU increased to degrees Fahr high differen	t the pump the enheit tial	
		Signal and determ Operations person pump. At approxi	nel investigated the h ined that the cause wa nel then manually isol mately 1403 CST, the " laced into service to ity.	s a blown pum ated the "B" A" RWCU pump,	p seal. RWCU	
	2.	Other Systems Aff	ected:		· *	
		No systems, other system, were affe secondary functio	than PCIS valve Group cted by this event. T ns.	5 and the RW hese systems	CU have no	

ARC Form 3664 (9-82)		LICENSEE EVENT R	EPORT (LER) TEXT CONTINUA		APPROVED OM8 EXPIRES & 31.08	ATORY COMMISSIO NO 1150-0104
FACILITY NAM	a (4)		DOCKET NUMBER (2)	LER NUMBER (8)		PAGE (2)
PLANT	натсн,	UNIT 1	0 5 0 0 3 2 1	8 8 0 0 6	0 0	Q 3 OF 0
Tutt of more as	ace a required, us	e additione/ NRC Form 3864's/ (17)				
	3.	Method of Discover	y:			
			discovered the isola*io ation of control room in		Group	
	4.	Operator Actions:				
		Licensed plant ope required by the ap	rations personnel respon plicable annunciator res	ded to the ev ponse procedu	rent as irres.	
D,	CAUSE	OF EVENT				
	2.	Immediate Cause:				
			e of this event is exces ture seal failure.	sive pump vib	ration	
	2,	Root/Intermediate	Cause			
		premature oil degr wear resulting in is potentially due	mediate and root cause o adation which caused abn excessive pump vibration to a bad batch of oil. on 05/05/88 when the pum	ormal pump be . The degrad This oil had	aring ation been	
٤.	ANALY	SIS OF EVENT				
	provid radio isolat conta	de protection by pr active materials. tion of system line ins two isolation v	U containment isolation eventing releases to the This is accomplished by s that penetrate the con- alves and only one of the solation capability.	environment the complete tainment. Th	e line	
	are de allow indice	radioact' luid	high differential temper break in the process pip to be released. A proces f the reactor coolant pro uation.	ping which wo ss pipe ruptu	uld re is	

III. XANDA : AND

NAC FORM 3884 (\$45)

LICENSEE EVENT REPORT (LER) TEXT CON	1	L	ł	Ć	1	1	V	S	E	E	E	١	1	Ef	V'	r	F	1	Ē	p	C)	R	т	(L	Ε	R	1)	Т	16	:)	C	Т	C	:0	2	N	T	1	N	L	1	4	т	10	C	N	
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U.S. NUCLEAR REGULATORY COMMISSION

	Sec. 16. 16. 16.	C. Contraction of the second sec	 	
EXPIR	15.8	31 88		

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)	PAGE (3)
	1	YEAR SEGUENTIAL REVISION NUMBER NUMBER	
PLANT HATCH, UNIT 1	0 15 10 10 10 3 12 1	8 8 - 0 0 6 - 0 0	0 4 OF 0 5
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TEXT (If more space is required, use edditional NRC Form 366A's) (1)

ARC Form 368A

In this event, the pump seal failed and allowed some of the process fluid to flash to steam. While the actual process piping did not rupture, the failure of the seal resulted in a room temperature increase that was similar to that which would have occurred had the process piping ruptured. In response to the increased room temperature, the two primary containment isolation valves closed per design to isolate the RWCU system.

Based on the above information, it is concluded that this event had no adverse impact on nuclear plant safety. Additionally, since the FCIS valves are designed to close under full reactor power conditions (as occurred in this event), it is concluded that the consequences of this event would not have been more severe under other reactor power conditions.

F. CORRECTIVE ACTIONS

The following corrective actions were taken in response to this event:

- The "A" RWCU pump was placed into service to control reactor coolant conductivity.
- Damaged components of the "B" RWCU pump were replaced as required.
- A sample of the oil which is suspected to be bad will be sent offsite for further analysis by September 29, 1988.
- The suspected batch of oil was placed on hold and will not be released for use in the plant unless the test results prove it acceptable.
- Replacing the oil in the RWCU pump with a different type (synthetic) provided by a different vendor.
- It has been determined that no equipment with similar operating conditions contains this batch of oil.

													EX	PIRES: 8/31	88		
ACILITY NAME	(1)					DOCKET	UMBER (2)					NUMBER				PAGE	3
PLANT	натсн,	UNIT 1				0 5	0 0 0	3	2 1	8 8		C		0,0	9	5 OF	0
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	7.	This n the te evalua	est re	will sults	be re of th	vised e oil	by ap sampl	pro; e ha	ximat ave t	tely been	12/0 rece	8/88 ived	3 af 1 an	ter d			
G.	ADDIT	IONAL 1	NFORM	ATION													
	1.	FAILER	COMP	ONENT	(s) ID	ENTIFI	CATIO	N									
		Manufa Model	Numbe Bear	r: 100	Ident gersol 1 11 (T	1-Rand	I Comp		0011	3							
		MPL (P Manufa Model Type: EIIS:	Numbe Gask	r: Ir r: 363	igerso					3							
	2.	PREVIO	US SI	MILAR	EVENT	S											
		isolat 50-321 3/20/8	ed on /1986 37), 5	a hig -040, 0-366/	ve des gh tem (date (1987-0 (dated	peratu d 10/5 012 (d	re si /86), lated	gna1 50-	.366/	hese 1987	LER -005	s ar	'e:	π			
		valve	and h	eat ex	caus change and 3	er tub	e lea	kage	2, 2)	cal	cium	fou	ling	g of			
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		These descri with t RWCU p replac schedu	bed i the ki tump r tement	n this nd of eplace of a	oi'u ement,	rt bec sed in have pump w	ause the not y ith a	they pump et t dif	/ eit b or been ffere	ther in the impli- int t	did he c emen ype	not ase ted. of p	dea of a Th	a ne			

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Georgia Power Company 333 Piedmont Avenue Atlanta, Georgia 30308 Tetaphone 404 526-6526

Mailing Aduress: Post Office Box 4545 Atlanta, Georgia 30302

W. G. Hairston, III Semior Vice President Nuclea, Operations the southern electric system

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HL-59 0442I X7GJ17-H310

September 6, 1988

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

> PLANT HATCH - UNIT 1 NRC DOCKET 50-321 OPERATING LICENSE DPR-57 LICENSEE EVENT REPORT DEGRADED OIL CAUSES REACTOR WATER CLEANUP ISOLATION

Gentlemen:

In accordance with the requirements of CFR 50.73(a)(((v)), Georgia Power Company is submitting the enclosed Licensee Event Report (LER) concerning an unanticipated actuation of an Engineered Safety Feature. This event occurred at Plant Hatch - Unit 1.

Sincerely,

W.S. Kalt

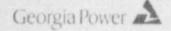
W. G. Hairston, III

BF/ct

Enclosure: LER 50-321/1988-006

c: (see next page)

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U. S. Nuclear Regulatory Commission September 6, 1988 Page Two

c: <u>Georgia Power Company</u> Mr. H. C. Nix, General Manager - Plant Hatch Mr. L. T. Gucwa, Manager, Licensing and Engineering - Hatch GO-NORMS

U. S. Nuclear Regulatory Commission, Washington, D. C. Mr. L. P. Crocker, Licensing Project Manager - Hatch

U. S. Nuclear Regulatory Commission, Region II Dr. J. N. Grace, Regional Administrator Mr. J. E. Menning, Senior Resident Inspector - Hatch