

**David H. Oatley** Vice President-Diablo Canyon Operations and Plant Manager Diablo Canyon Power Plant P.O. Box 56 Avila Beach, CA 93424

805.545.6000

June 14, 2000

PG&E Letter DCL-00-089

U.S. Nuclear Regulatory Commission ATTN: Document Control Desk Washington, DC 20555-0001

Docket No. 50-275, OL-DPR-80 Diablo Canyon Unit 1 <u>Licensee Event Report 1-2000-005-00</u> <u>Entry into TS 3.0.3 When Power was Restored to Reactor Coolant System</u> Accumulator Isolation Valves Due to Personnel Error

Dear Commissioners and Staff:

PG&E is submitting the enclosed licensee event report regarding entry into Technical Specification 3.0.3, "Limiting Condition for Operation," due to personnel error.

This event was not considered risk significant and did not adversely affect the health and safety of the public.

Sincerely,

R.A.Walter For David H. Oatley

cc: Steven D. Bloom Ellis W. Merschoff David L. Proulx Diablo Distribution INPO

Enclosure

51-001

ZTR/2246/A0508060



							_	_				_				
LICENSEE	EVEN		EPO	R	Т(	LE	R)									
		,			• 、											
FACILITY NAME (1)		L			DOC	KETN	UMBE	R (2)								
Diablo Canyon Unit 1			0 3	5	0	0	0	2	7	5	1	OF	5			
	_				1		I	<u> </u>	<u> </u>			L				
Valves Due to Personnel Error	Restore	d to R	eact	or	Со	ola	nt S	Syst	tem /	Acc	umul	ator				
EVENT LER NUMBER (6)	RT	[				OTHE	R FAC	LITIES	NVOL	VED (8)						
MO DAY YEAR YEAR SEQUENTIAL NUMBER REVISION I	DATE MO DAY	(7) YEAR			FAC	ILITY	NAME			DOCKET NUMBER						
OPERATING	UU 2000 - U 0 5 - 0 0 06 14 2000															
<u>3</u> X 10 CFR 50.73(a)(2)(i)(B)																
POWER OTHER																
0 0 0 (SPECIFY IN ABSTRACT BELOW AND IN TEXT, NRC FORM 366A)																
LICENSEE CONTACT FOR THIS LER (12)																
TELEPHONE NUMBER AREA CODE																
Roger Russell - Senior Regulatory Services Engineer 805 545-43																
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																
	TO EPIX	CAUSE	SYST	EM		COMP	ONEN	T	MAN	IUFAC	TURER	REPOF TO	RTABLE			
									1			·				
			· · I 	_		L	I	L		 						
SUPPLEMENTAL REPORT EXPECTED (14)	L			┯┛									·			
[] YES (If yes, complete EXPECTED SUBMISSIC			( ] N(		<u> </u>					5	MON	DAY	YR			
ABSTRACT (Limit to 1400 spaces. i.e., approximately 15 single-spaced typewritt	ten lines.) (16	<u>,                                    </u>	-1140	1						5)						
On May 15, 2000		-														
On May 15, 2000, at approximately 12	207 PD	T, with	ו Un	it 1	l in	Mo	bde	3 (I	Hot S	Stai	ndby)	, at				
o percent power, Technical Specificati	ion (TS	5) 3.0.3	3 wa	s i	nac	lve	rter	ntly -	ente	red	wher	า				
power was restored to all reactor cool	ant sys	tem (F	RCS	) a	ccu	mu	llato	or is	solati	on	valve	s				
while the RCS pressure was 1500 psig	g.TS:	3.5.1a	requ	uire	es F	RC	S a	ccu	mula	ator	isolat	tion				
valves to be open and have power rer	noved i	in Moo	les 1	1, 2	2, a	nd	3, \	whil	e pre	ess	urizer					
pressure is above 1000 psig, for the a	ccumu	lators <sup>-</sup>	to be	эс	ons	side	erec	i op	erat	ole.	At					
1455 PDT, while RCS pressure was a	pproxir	nately	112	2 p	osig	ı, th	ne s	shift	fore	ma	n					
recognized the entry into TS 3.0.3. At	t 1505 F	PDT, F	RCS	pr	ess	ure	e wa	as r	educ	ced	to les	s				
than 1000 psig and TS 3.0.3 was exite	ed.			-								-				

The condition was caused by a personnel error.

Operating Procedure L-5, "Plant Cooldown From Minimum Load to Cold Shutdown," and the accumulator isolation valve breaker lamicoid will be revised to contain a reference to TS 3.5.1a. Operating Procedure L-5 will state the specific pressurizer pressure value required by TS 3.5.1a. Lessons learned will be documented and distributed to each of the operating crews.

### LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1)	DOCKET NUMBER (2)								LER NUMBER (6)									PAGE (3)			
									YEAR		SEQUE	NTIAL N	UMBER		REV NUN	SION IBER					
Diablo Canyon Unit 1	0	5	0	0	0	2	7	5	2000	-	0	0	5		0	0	2	OF	5		

#### I Dia

TEXT

### I. Plant Conditions

Unit 1 was in Mode 3 (Hot Shutdown) at 0 percent power.

#### II. Description of Problem

#### A. Background

Technical Specification (TS) 3.5.1a requires reactor coolant system (RCS) [AB] accumulator [ACC] isolation valves [ISV] to be open and have power removed in Mode 1, 2, and 3, while pressurizer pressure is above 1000 psig, for the accumulators to be considered operable. No action statement exists for a condition in which all accumulators are inoperable.

When a limiting condition for operation is not met, TS 3.0.3 requires initiating action within 1 hour to place the unit in a mode in which the specification does not apply by placing it, as applicable, in:

At least hot standby within the next 6 hours,

At least hot shutdown (Mode 4) within the following 6 hours, and At least cold shutdown (Mode 5) within the subsequent 24 hours.

Operating Procedure (OP) L-5, "Plant Cooldown from Minimum Load to Cold Shutdown," provides instructions for plant shutdown during scheduled and non-scheduled outages. Step 6.2.17 requires the operators to close the accumulator isolation valves and valve breakers when "the RCS pressure has decreased to about 900 psig."

B. Event Description

On May 15, 2000, plant operators were performing OP L-5 on Unit 1 in preparation for entering Mode 5.

On May 15, 2000, at approximately 1207 PDT, plant operators unknowingly placed Unit 1 into TS 3.0.3 when they racked in the breakers for the RCS accumulator isolation valves as instructed by the shift foreman. At the time, RCS pressure was approximately 1500 psig.

On May 15, 2000, at approximately 1455 PDT, the shift foreman logged the plant into TS 3.0.3 when he realized that restoring power to the accumulator isolation valves at a pressurizer pressure greater than

	LI	CENSI	ΞE	E\	/E <b>I</b>	١T	REP	OF	RT (	LER)	TE)	(Т (	col	NTI	NUA	ATI(	NC			
FACILITY N	AME (1)		DOCKET NUMBER (2)							YEAR	LER NUMBER (6) YEAR SEQUENTIAL NUMBER								PAGE (3	b)
Diablo	Canyor	n Unit 1	0	5	0	0	0 2	7	5	2000	-	0	0	5	-	0		3	OF	5
TEXT		1000 ps plant op 1000 ps	sig bera sig.	wa: ator	s no rs to	ot in o re	com duce	olia the	nce RCS	with TS S press	S 3.5 sure	5.1a. fron	. H∈ 11	e the 22 p	n di sig t	recte to le	ed th ss th	ne nan		
		On May 15, 2000, at approximately 1505 PDT, the RCS pressure dropped below 1000 psig and TS 3.0.3 was exited.																		
	C.	Inopera Event	Inoperable Structures, Components, or Systems that Contributed to the Event																	
		None.																		
	D.	Other Systems or Secondary Functions Affected																		
		None.																		
	E.	Method of Discovery This condition was discovered by the shift foreman who was reviewing the TS during the performance of OP L-5.																		
	F.	Operate	or A	\cti	ons															
		The pla	int (	ope	erato	ors	reduc	ed	the I	RCS pi	ressi	ure 1	to le	ss tł	nan	100(	) ps	ig.		
	G.	Safety	Sys	sten	nR	esp	onse	3												
		None.																		
111.	<u>Cause</u>	e of the I	Pro	ble	<u>m</u>															
	A.	Immedi	iate	Ca	ause	Э														
		TS 3.0. for all 4	3	/as cur	ent nula	ere ator	d bec s whi	aus e R	e po CS	ower w pressu	as re ire w	esto vas a	red abov	to th /e 10	e iso 000	olati psig	on v	alve	S	
	В.	Root C	aus	e																
		The shi close th 3.5.1a	ift fo ne a req	orei acci uire	mar umi ed c	n die ulate only	d not or iso that t	revi atic he	ew 1 on va valvo	the TS alve bro es be c	prio eake open	r to ers. and	dire He I did	cting belie I not	the eved reco	ope tha ogni	erato t TS ze tl	ors to nat	)	

# LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NA	ME (1)			DO	CKETI	NUMBE	R (2)					LE	R NUME			<u> </u>	PAGE (3	3)		
			 						YEAR	YEAR SEQUENTIAL NUMBER						ISION /IBER		· ·	<b>1</b>	
Diablo	Canyon	Unit 1	0	5 0	0	0	2	7	5	2000	-	0	0	5	-	0	0	4	OF	5
TEXT	C.	the acc closed. Contrib Neither isolation	umul utory OP n val	v Cau L-5, s	s wo ise step reak	o 6.2 ers	be c 2.17, mak	nc	nsic or ti refe	lered ir he lam	nop icoi to	erab d loc TS 3	le w ateo	ith th d at 1 a.	he t	oreak accu	ers	ator		
IV.	Analys The ac pressu RCS of decreat throug RCS of accum At the shutdo energi for app open a were r	sis of the ccumula urized wi cold legs ases bel h an op luring a hulators time of pwn, at a izing all proximation and avait	tors ith ni duri ow th en m LOC to be the e appro four tely 3 lable l saf	are p troge ng a ne ni notor A. T e con event accu 3 hou e while ety c	ores en g loss trog ope he side side side the the the ons	sure as. s-of- en c erate isola ered y 0.7 ator Alth ne pl equ	e ves The cool cove ation ope ant w per isol ant v ence	se y a r g ola ra va ce ati h   wa s.	els   are atio alve ble s in ent on pov	partially desigr cciden pressu n valve es mus Mode power valves ver was n a TS	y fil ned t (L ire. an t be 3, a at 1 , the 3.0	led w to pa OCA Eac ad two e ope appro 1000 e pla estore 0.3 co	vith I assi ) wh ch in o ch en ar to 1 nt e ed, a ondif	bora vely jects leck nd p natel 500 ntero all va tion.	ted inje RC: s its val owe y 1: psi ed i alve Th	wate ect in S pre- bora ves i er rer 2 hou g. B nto T s ren herefo	er an to th ssui ated nto t nove urs a y S 3 nain ore,	nd re wate he ed fo .0.3 ed there	er or	
	To ass assess solid s an acc consic When Westin of the assure When large b accum assure	sess pot s the evo state pro cumulate lered. assumit nghouse e core co an alter break L0 nulator is ned to fa	entia ent a tection or iscong ency polin mate DCA s ass iil, ar	al saf issur on sy blatio wors clude core g und sing bour bour	ety ning vste n va ed t der le fa nds d to litior	con: a v m (S alve) hat f oling any ailur the spi nal a	sequivors SSP ). Bo singlithe a g Sy LOC e (cl sma ll thr accu	e f ste S)) oth e f ste SA os ll k	ase ar ala failu aila ed orea gh ulat	s, PG8 single id a sin rge and ure of th bility of (ECCS ndition accum ak LOC the bre tor is un	kE r fai ngle d sr he l f the S) w uula CA. eak nav	tor values in a loss of tor values in a in a in a lif a	ester (loss ure ( orea of S cumi nore alve larg in is ole.	d that s of ( inad k LC SPS ulato that ) is ( ge br olati How	at V one ver DCA in ors a n ac on real on veve	Vestin trair tent of s we Mode and of dequa sider c LOC valve er, ar	ed, f CA, e anot e anot c c c c c c c c c c c c c c c c c c c	buse the ure c crain the one	of	

# LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAM	ME (1)		1	DO	CKET	NUMBER	3 (2)			L		PAGE (3)						
				200	011211	TOMOLI	(12)		YEAR	SEQU	JENTIAL	NUMBE	ĒR	REV	ISION /IBER			
Diablo	Canyoi	n Unit 1	05	0	0	0	2 7	5	2000	- 0	0	5	-	0	0	5	OF	5
TEXT V.	The c adequ Based health The c deterr	ombinati ate core d on the and saf ondition mined to <u>ctive Act</u>	on of coolin above ety. was re be of <u>ions</u>	redung. ana evie min	alys wec	d en ses, f d usi	ergy a the ev ing th	and vent	nearly did no obabili ce.	double t adver stic risk	EC(	CS f affe	iow ect th	assu ne pu nt pro	blic	sanc	ł	
	А. В.	Immedi 1. The press 2. The Correct 1. OP which TS 3 2. The TS 3 3. Less ope	ate Co shift f ssure I shift f ive Ac L-5 wi ch the 3.5.1a Iamic 3.5.1a sons I rating	orre forei belo tion till st acc . Ti acc . Ti oid	ctiv mar ww 1 mar ns to at to at t ws.	e Ac n dire 0000 n wa o Pre ulato oroco he a will	etions ected psig s coa event allowa or isol edure ccum be do	ope and che Rec able atio will ulat	erations TS 3.0 d rega currenc maxim n valve l also ir or isola nented	s perso ).3 was rding th e num pre es may nclude a ation va ation va	nnel s exit ne TS be e a refe Ilve b	to d ed. S rec rizer eren orea	lecro quire r pre gize fice t kers to e	ease emen d, ac to this s will each	the it. cord s TS refe of th	RCS lue a ling f renc	e e	
VI.	<u>Additi</u>	onal Info	ormatio	<u>on</u>														
	A.	Failed ( None.	Comp	one	nts													
	None. B. Previous Similar Events None.																	