# CELERATED DISTRIBUTION DEMONSTRATION SYSTEM

## REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

R

I

D

S

Α

D

D

S

R

I

D

S

Α

D

D

S

ACCESSION NBR: FACIL: 50-323	9111270131 Diablo Canyon	DOC.DATE: 91 Nuclear Powe	/11/20 er Plant	NOTARIZE , Unit 2,	D: NO Pacific Ga	DOCKET # 05000323
AUTH.NAME	<b>`AUTHOR</b> A	FFILIATION				
HUG, M.T. '	Pacific G	as & Electric	co.			
RUEGER, G.M.	'Pacific G	as & Electric	co.	,		
RECIP.NAME	RECIPIEN	T AFFILIATION	I ,	¥	۴	-

SUBJECT: LER 91-011-00:on 911020,72 h LCO of TS 3.5.2, Action A exceeded when valve SI-2-8802B not tested following corrective maint.Caused by personnel error.Work instruction issued re plant mode change.W/911120 ltr.

DISTRIBUTION CODE: IE22T COPIES RECEIVED:LTR ( ENCL ) SIZE: 6 TITLE: 50.73/50.9 Licensee Event Report (LER), Incident Rpt, etc.

#### NOTES:

14 14 14

	RECIPIENT ID CODE/NAME PD5 LA ROOD,H	COPIE LTTR 1 1	ES ENCL 1 1	RECIPIENT ID CODE/NAME PD5 PD	COP LTTR 1	IES ENCL 1
INTERNAL:	ACNW AEOD/DOA AEOD/ROAB/DSP NRR/DET/EMEB 7E NRR/DLPQ/LPEB10 NRR/DREP/PRPB11 NRR/DST/SICB8H3 NRR/DST/SRXB 8E RES/DSIR/EIB	2 1 1 1 2 1 1 1	2 1 1 2 1 1 1 1	ACRS AEOD/DSP/TPAB NRR/DET/ECMB 9H NRR/DLPQ/LHFB10 NRR/DOEA/OEAB NRR/DST/SELB 8D NRR/DST/SPLB8D1 REG FILE 02 RGN5 FILE 01	2 1 1 1 1 1 1	2 1 1 1 1 1 1
EXTERNAL:	EG&G BRYCE,J.H NRC PDR NSIC POORE,W.	, 3 1 1	3 1 1	L ST LOBBY WARD NSIC MURPHY,G.A NUDOCS FULL TXT	. 1 1 1	1 1 1

### NOTE TO ALL "RIDS" RECIPIENTS:

PLEASE HELP US TO REDUCE WASTE! CONTACT THE DOCUMENT CONTROL DESK, ROOM PI-37 (EXT. 20079) TO ELIMINATE YOUR NAME FROM DISTRIBUTION LISTS FOR DOCUMENTS YOU DON'T NEED!

FULL TEXT CONVERSION REQUIRED TOTAL NUMBER OF COPIES REQUIRED: LTTR 33 ENCL

. 

v

.

.

Pacific Gas and Electric Company

77 Beale Street San Francisco, CA 94106 415/973-4684 Gregory M. Rueger Senior Vice President and General Manager Nuclear Power Generation

November 20, 1991

PG&E Letter No. DCL-91-278

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

Re: Docket No. 50-323, OL-DPR-82 Diablo Canyon Unit 2 Licensee Event Report 2-91-011-00 Technical Specification 3.5.2, 4.0.4, and 4.0.5 Violations Resulting From Failure to Test a Valve Following Maintenance Due to Personnel Error

Gentlemen:

Pursuant to 10 CFR 50.73(a)(2)(i)(B), PG&E is submitting the enclosed Licensee Event Report (LER) concerning Technical Specification violations resulting from failure to test a valve following maintenance due to personnel error.

This event has in no way affected the health and safety of the public. Sincerely,

Bry Cather for

Gregory M. Rueger

cc: Ann P. Hodgdon John B. Martin Philip J. Morrill Harry Rood Howard J. Wong CPUC Diablo Distribution INPO

DC2-91-WP-N097

Enclosure

5556S/85K/JHA/2246

. . • . ٩. . , . . . 1

·	0					LIC	ENSE	E I	EVE	NT	REP	ORT	' (L	.El	R)									
FACILITY	IAME (1)				•							<u> </u>			.000		UMB	DR (2)				PAGE	(3) OF	
	DIABL	<u>.0 CAN</u>	IYON L	INI	2	<u> </u>				10		NTO			0	5	0		03		3			5
TITLE (4)	TECHN	A VAL	SPECI	LLOW	IING P	3.5. 1AINT	Z, 4. ENANC	0.4 E D	, AN UE T	10 10	4.0.5 PERSO	NNEL	LA I Er	RC	)NS )R	KE:	SUL	110	GFR	UM	FAIL	UKE	10	
EVENT DAT	TE (5)		1		LER NUM	8ER (6)	·····		REPOR	T DAI	TE (7)					OTHE	FAC	ILIT	IES INV	OLVE	D (8)			
MON	DAY	YR	YR.	8	EQUENTI. NUMBER	AL L	REVISI NUMB	NO BR	MON	DA Y	YR		F/	ACII	и үтс	AMES			DOCK	ET NU	MBER (S	1		
																			0	5 0	0	0		
10	20	91	91	- 0	1	1 -	0	0	11	20	91								0	5 0	0	0		
OPERATIN MODE (9)	G	3	THIS R	EPORT I	S SUBMI	TTED PUP	RSUANT T	O THE	REQU	IREM	ENTS OF	10 CFR:	; (:	11)										
POWER LEVEL (10)	0	0   0			_	X	10 CF OTHER	R <u>50</u> (S	) <u>.73(</u> a	<u>a)(2</u> y i	)(i)(B) in Abst	) ract	 belo	0¥	and	in	tex	t, I	RC Fo	rm 3	366A)			
<u> </u>							UC	ENSEE	CONT	ACTE	ORTHES	LER (12)				L.,			TELE	PHON	E NUMB	ER		
	MARTI	ΝΤ.	HUG,	SENI	OR RI	EGULA	TORY	COM		NCI	E ENG	INEE	R				/	REA 80	code 5			545-	-400	5
CAUSE	SYSTEM	Сом	PONENT	MAN	COMPL	ETE ONE L	JNE FOR E	ACH C	OMPO	NENT	CAUSE	DESCRIBE	ED IN FM	THE	S REP	ORT (1	3)	MANI	IFAC-	1 81	PORTA	BLE		
				Ť	URER	ŤŎ	NPRDS		· · · · ·									ŤŬ	RER		TO NPRI	ōs ¯		· ·
										·													3   . 	
								-								Ι							-	
		- <b>^</b>	SUP	PLEMENT	TAL REPO	RT EXPEC	TED (14)					- <b>^</b>	Γ	I	EXPE	CTED			MONTH	I	D/	NY	۲	EAR
11	YES (i	f yes,	comple	te EX	PECTED	SUBMI	SSION	DATE	:)	x	н 1	10		SL	JBMIS ATE	(15	)							
ABSTRACT	(16)			i						-			1								1		.1,	
	On Oc Techn teste perfo On Oc Mode requi	tober ical d fol rmed. tober 3 (Ho remen	20, Speci lowin 20, t Sta ts of	1991 ficat g con 1991 ndby valv	, at tion rrect , at ) to ve SI	1400 (TS) ive n 1724 Mode -2-88	PDT, 3.5.2 nainte PDT, 2 (S1 302B r	the 2, A enar TS tart	2 72 Actince. 4.0 tup) com	-ho on 7 .4 wi	was i th t	imiti as ex 0.5 r not n he re	ing ce eq equ	ed ui w	ond ed red hen	liti whe su Ur pos	on Irvo it	fo val eil 2 nai	r Ope ve Sl lance trans ntena	erat [-2- e wa sit	tion -880 as n ione e te	(L 2B ot d f st	CO) was rom (PMI	of not
	On Oc Engin requi succe	tober eerin red s ssful	22, g whi urvei ly pe	1991 le ro llano rform	, at eview ce te ned o	2100 ving r est wa on Oct	PDT, requin as rev cober	the red /ise 22,	e fa act ed t 19	ilu ior o p 91,	ire to ns for permi , at :	o cor r a s t per 2139	idu iec fo PD	ct on rm T.	a d t anc	PM1 rar e i	₩a si n l	as tio 10d	ident n int e 3 a	if to h and	ied Mode was	by 2.	Plan Th	it ie
	The r maint testi not s	oot c enanc ng. uffic	ause e per Infor ient	of tl forme matic to re	hese ed on on su eadil	event valv pplie y ide	s was ve SI- ed in entify	s pe -2-8 the / PM	erso 3802 e fi 1T r	nne Bw eld equ	el er vould l copy viremo	ror d requ y of ents.	lue lir th	e e	o a pos wor	fa t-n k p	il ai ac	ure ntei kagi	to n nance e was	eco oj co	ogni: peral pnfu:	ze bil sin	that ity g an	ld
	To pr will perfo	event issue rming	recu enha mode	rrend nced trai	ce, ( work nsiti	l) an poli on se	Oper cies, earche	rati an es.	ions id (:	Ev 3)	the t	Repor Engin	rt i iee'	wi ri	11 ng	be Tes	is: t (	sue Grou	d, (2 up wi	?) V 111	lork be	P] tra	anni ined	ng I on

×

÷

. · 

, **\*** .

# LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6) PAGE (3)
· ·		YEAR SEQUENTIAL REVISION NUMBER
DIABLO CANYON UNIT 2	0 5 0 0 0 3 2 3	91 - 0 1 1 - 0 0 2 0 5

### I. <u>Plant Conditions</u>

Unit 2 was in Mode 3 (Hot Standby) at 0% power.

### II. <u>Description of Event</u>

### A. Event:

On October 16, 1991, while Unit 2 was in Mode 3, valve SI-2-8802B (BQ)(V) was identified as having a leak at the stem packing. The Work Planning Center (WPC) issued a work package (WP) permitting torquing of the valve's packing gland follower nuts to a minimum of 56 ft/lbs and a maximum of 67 ft/lbs. The previous torque on these nuts was 56 ft/lbs.

Administrative Procedure (AP) C-6S3, "Post Maintenance Testing," states, "For MOV's (alternating current only) stroke time testing is not required if the torque value on the packing gland follower nuts does not exceed the torque value used prior to a successful stroke time test."

In accordance with AP C-6S3 and ASME Section XI, paragraph IWV-3200, post-maintenance testing (PMT) was specified by the Engineering Test Group in the WP as surveillance test procedure (STP) V-3L1, "Exercising Valves 8802A And 8802B, Safety Injection Pump Discharge Isolation To RCS Hot Legs," if the previous torque value of 56 ft/lbs is exceeded. This STP was specified as a Mode 4 (Hot Shutdown), Mode 5 (Cold Shutdown) or Mode 6 (Refueling) test.

The planned maintenance activity did not require a clearance because the valve was closed and was only required to open during post-LOCA hot leg recirculation. Therefore, no clearance review was performed by Operations on the WP. A hardcopy of the PMT sheet was not included in the WP field copy. This was the current practice for field copy WPs. No Technical Specification (TS) Action Statement was entered by Operations while this work was taking place.

On October 17, 1991, at 0900 PDT, permission was requested from the Shift Foreman (SFM) to retorque valve SI-2-8802B's packing gland follower nuts. The SFM questioned whether the previous torque value would be exceeded for this job and whether PMT would be required. Mechanical Maintenance responded that the torque value would not be exceeded and no PMT would be required.

On October 17, 1991, at 1400 PDT, the packing gland follower nuts of valve SI-2-8802B were torqued to 67 ft/lbs.

On October 20, 1991, at 1400 PDT, the 72-hour Limiting Condition for Operation (LCO) of TS 3.5.2 Action a. for restoration of safety

5556S/85K

. . **.** • •

· · ·

.

.

· ·

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

٢

٩

۲

FACILITY NAME (1)	L.	*					DOCKET NUMBER	(2)	YEAR		R (6) AL ::::::	REVISION	PAGE	(3)
, 	<b></b>									S NUMBE		NUMBER		_1 _
DIABLO	CANYO	DN UNIT	Γ 2				0500	0 3 2 3	91	-01	1 -	00	3 0	<sup>r</sup>   5
· · · · · · · · · · · · · · · · · · ·	,	inject becaus 4.0.5 requin	tion ( se val were res PM	(SI)( ve S also 1T be	BQ) sy I-2-88 not r fore a	ystem 302B ( net bo a valv	operabil did not r ecause ASI ve is ret	ity was admi eceive PMT. ME Section X urned to ser	nist The I, pa vice	rativel requir aragrap after	y ex emen h IW a pa	ceedeo ts of V-3200 cking	i TS <sup>°</sup> ),	
	•	On Oct Mode 2 SI-2-8	tober 2 (Sta 3802B,	20, irtup in	1991, ) witl violat	at 13 hout 1 tion 6	724 PDT, I having per of TS 4.0	Jnit 2 trans rformed the .4.	itio PMT 1	ned fro for val	m Mo ve	` de 3 1	to	-
•		On Oct into M	tober 1ode 3	22, 5 for	1991, valve	at 12 e CVCS	252 PDT, U S-2-LCV-4	Jnit 2 trans 59 (CB)(V) a	itio djus	ned fro tment.	m Mo	de 2 b	)ack	
		On Oct requin had no procec issuec	tober rement ot yet dure r d_and	22, s pr bee revis the	1991, ior to n perf ion pe test w	at 22 o retu formec ermiti vas sa	100 PDT, w urning to d on valvo ting perfo atisfactor	while review Mode 2, it SI-2-8802B ormance of S rily complet	ving r was d . An TP V- ed at	mode ch determi n exped -3L1 in t 2139	ange ned ited Mod PDT.	that f e 3 wa	MT as	
	B.	Inoper Event:	rable	Stru	ctures	s, Cor	nponents,	or Systems	that	Contri	bute	d to t	:he	
	•	None.			•		•							
	C.	Dates	and A	ppro	ximate	e Time	es for Ma	jor Occurren	ces:		-	,	•	
		1.	Oct.	17,	1991;	1400	PDT:	Valve SI-2 follower n 67 ft/lbs.	-8802 uts v	2B pack were to	ing rque	gland d to		
		2.	Oct.	20,	1991;	1400	PDT:	Event date TS 3.5.2 A TS 4.0.5 w	ctior	he 72 h n a. wa lso vio	our s ex late	LCO of ceedec d.	: 1.	
-		<b>3.</b>	Oct.	20,	1991;	1724	PDT:	Event date when Unit completion	. TS 2 ent of l	S 4.Ó.4 tered M PMT for	was ode SI-3	viola 2 with 2-8802	ited Nout 2B.	•
		4.	Oct.	22,	1991;	2100	PDT:	Discovery transition was perfor procedure permit com Mode 3.	date. from med. revis pleti	. Revie n Mode : An exp sion was ion of :	ew fo B to Dedi S is: STP N	or Uni Mode ted sued t V-3L1	t2 2 in	
•	*	5.	Oct.	22, 3	1991;	2139	PDT:	STP V-3L1 SI-2-8802B	was c •	complete	ed fo	or		

5556S/85K

.

\*

.

٠

v 

.

, ,

. .

• , , .		LIC	ENSE	E EV	'ENT	REPO	RT (	LER)	TEX	r con	TI	ŅU	AT	ION					9	
FACILITY NAME (1)				·			DOCKET	NUMBER	(2)		$\mathbb{F}$	YEAR	LE	R NUMB	ER (	6) R	VISION	PA	(GE (3	3)
DIADI			τ ο					امام					38		1 1	<u> </u>				F
TEXT (17)	JUANY		1 2				05	010	03	23		91	Ŀ	0 1		-10	101			- 2
	_		•			-	-		•	<b>C</b>	,									
	D.	Other	Syst	ems o	r Sec	ondary	y Fun	ctior	s Ati	rected	1:							ø		
•		None.	=					•							-			•	1	
, ,	Ε.	Metho	d of	)isco	very:							i								
		Durin deter follo	g rev mined wing s	iew o that naint	f Mod STP enanc	le 3 to V-3L1 :e.	o Mod had	e 2 t not b	rans een j	ition- perfor	-re me	qui: d oi	red n v	ite alve	ems e S	, it I-2-	: was 8802	: !B		
	F.	Opera	tors	Actio	ns:															
•		None.							Ŧ		•			-					٠	
N	G.	Šafet	y Sys	tem R	espon	ises:				1										
		None	requi	red.																
III.	<u>Cause</u>	<u>of th</u>	<u>e Eve</u>	<u>nt</u>												-			٠	
	Α.	Immed	iate	Cáuse	:															
		PMT w Mode	as no 2 tra	t per nsiti	, forme on.	ed on v	valve	SI-2	2–880	2B wit	chi	n 7	2 h	ours	s ai	nd p	orio	• to		
	Β.	Root	Cause	:						,										
۰. •		The r recog 8802B suppl to re	oot c nize woul ied i adily	ause that d req n the iden	was d the m uire fiel tify	leterm nainte PMT to d copy PMT ro	ined nance o dem y of equir	to be perionstructure the be ement	per: forme ate IP wa: s.	sonnel d on t valve s conf	l e the op fus	rro pa era ing	r d cki bil an	ue t ng d ity d no	to of ot	fail valv Info suff	ure ve Sl ormat ficié	to [-2- tion ent	' ' 	
	C.	Contr	ibuto	ry Ca	use:							**								
		1.	No P WP. the	1T ha Thus WP.	rdcop , the	oy`she SFM v	et wa was u	s ind nawan	lude: of	d with PMT r	n t req	he uir	fie eme	ld o nt v	cop whe	y of n he	f the sig	) Jned		
		2.	The woul	SFM w d not	as in be e	forme	d inc ed, a	orrec nd he	tly did	that t not r	the rev	or iew	igi th	nal e Pl	to MT	rque requ	e val liren	lue nent	,s.	
		3.	The PMT	√PC d prior	id no to i	ot con issuan	sider ce of	the the	prer WP.	equisi	ite	co	ndi	tio	ns	for	valv	/e	•	
,	x	4.	An i perf requ Octo	nexpe ormed ireme ber 2	rienc an i nts p 0, 19	ed enginadequiprior 1 991.	ginee uate to th	r in revie e Moo	the w of le 3	Engine the m to Mod	eer nod le	ing e t 2 t	Te ran ran	st ( sit sit	Gro ion ion	up on				•

.

5556S/85K

۱**\*** 

Ą

-

·

		LICENSEE EVEN	
CILITY NAME (1)			DOCKET NUMBER (2)  LER NUMBER (6) PAGE ( YEAR SEQUENTIAL REVISION
DTADI	0.000	AL UNIT O	
DIABL xt (17)	U CANYU	N UNIT 2	
Į IV.	<u>Analys</u>	<u>is of the Event</u>	•
	Perfor SI-2-8 Coolan by the mainte	mance of STP V-3L1 802B, Safety Inject It System (RCS)(AB) maintenance and wa nance on October 17	on October 22, 1991, demonstrated that valve tion Pump 2-2 (BQ)(P) discharge to the Reactor hot leg isolation valve, was not adversely affected as fully operational following completion of the 7, 1991.
• •	Thus, event.	the health and safe	ety of the public was not adversely affected by this
۷.	<u>Correc</u>	tive Actions	
1	Α.	Immediate Correctiv	ve Actions:
		STP V-3L1 was succe	essfully performed.
۰ ۲	Β.	Corrective Actions	to Prevent Recurrence:
	9 ÷-	1. The WPC will WPs that requ	issue a policy for including a PMT sheet with all uire PMT evaluation.
	•	2. The WPC will valve packing	issue a policy to clarify the method for specifying g torque adjustment.
		3. Operations wi review of PMT clearance and space on the	ill issue an Operations Event Report clarifying the T requirements for work that does not require a d for review of the "PMT Required: Operability" WP for a yes or no.
		4. A work instru Engineering T PMT required	uction will be issued to provide guidance to the Testing Group for a consistent method for reviewing to be complete for a plant mode change.
		5. The responsib training for testing modes	ble testing group for PMT designation will receive reviewing WPs to ensure that plant work modes and s are consistent.
VI.	<u>Additi</u>	onal Information	* •
ų	Α.	Failed Components:	
A		None.	
	Β.	Previous Similar Ev	vents:
		None.	

,

55<u>5</u>6S/85K

ļ

. . . . .

, *.* . . , ,

a n. , •

٠ . . •