

# CATEGORY 1

## REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9902160200 DOC. DATE: 99/02/05 NOTARIZED: YES DOCKET #  
 FACIL: 50-275 Diablo Canyon Nuclear Power Plant, Unit 1, Pacific Ga 05000275  
 50-323 Diablo Canyon Nuclear Power Plant, Unit 2, Pacific Ga 05000323

AUTH. NAME AUTHOR AFFILIATION  
 OATLEY, D.H. Pacific Gas & Electric Co.  
 RECIP. NAME RECIPIENT AFFILIATION  
 Records Management Branch (Document Control Desk)

*See Proposed Change To Tech Specs*

SUBJECT: Forwards addl calculaion & ref to methodology used to determine reactor vessel thermal stress, per 990126 request re LAR 98-06.

DISTRIBUTION CODE: A001D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 4 + 61  
 TITLE: OR Submittal: General Distribution

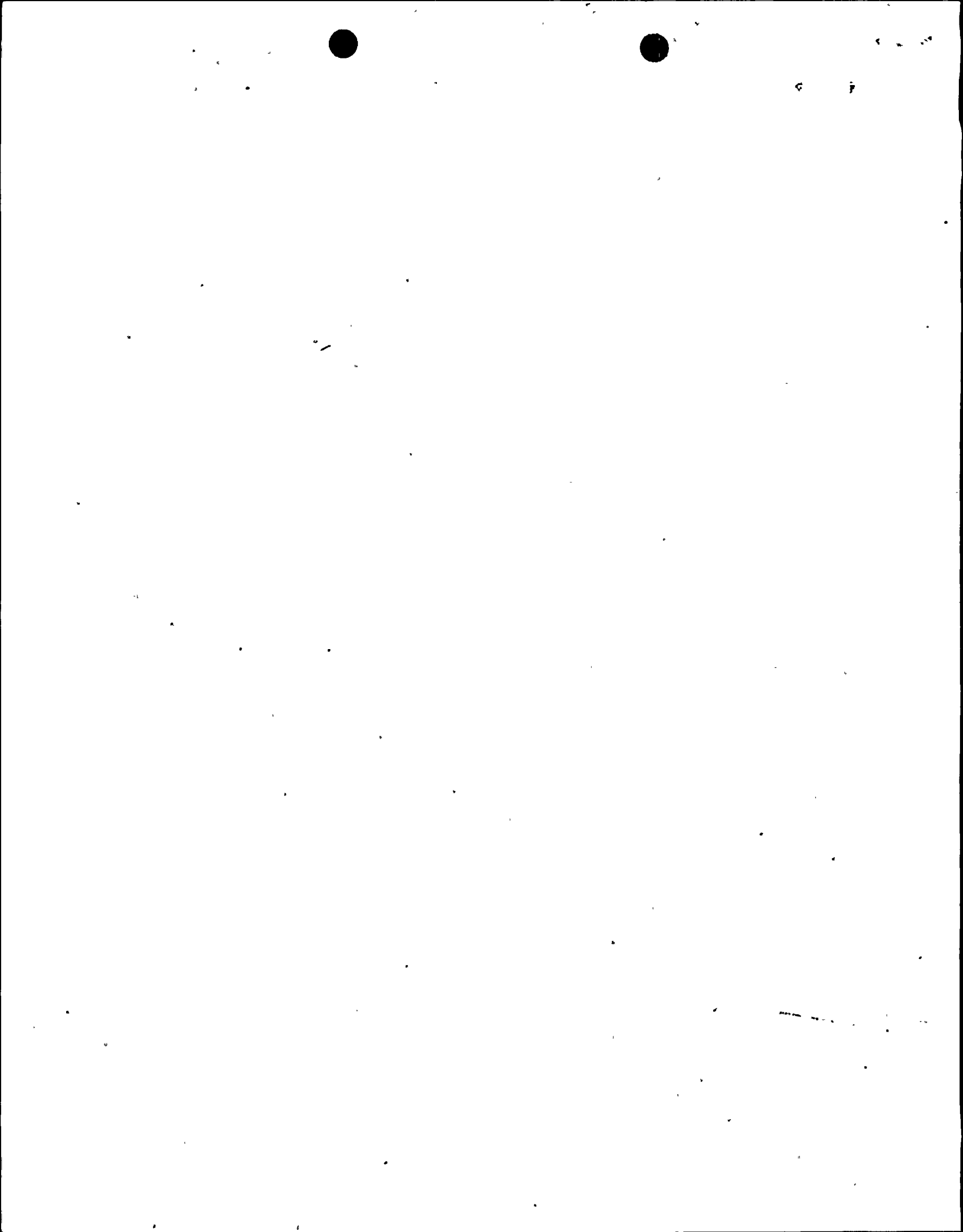
### NOTES:

	RECIPIENT ID CODE/NAME	COPIES LTR ENCL	RECIPIENT ID CODE/NAME	COPIES LTR ENCL
	PD4-2 LA	1 1	PD4-2 PD	1 1
	BLOOM, S	1 1		
INTERNAL:	ACRS	1 1	<u>FILE CENTER 03</u>	1 1
	NRR/DE/ECGB/A	1 1	NRR/DE/EMCB	1 1
	NRR/DRCH/HICB	1 1	NRR/DSSA/SPLB	1 1
	NRR/DSSA/SRXB	1 1	NRR/SPSB JUNG, I	1 1
	NUDOCS-ABSTRACT	1 1	OGC/HDS3	1 0
EXTERNAL:	NOAC	1 1	NRC PDR	1 1

NOTE TO ALL "RIDS" RECIPIENTS:  
 PLEASE HELP US TO REDUCE WASTE. TO HAVE YOUR NAME OR ORGANIZATION REMOVED FROM DISTRIBUTION LISTS OR REDUCE THE NUMBER OF COPIES RECEIVED BY YOU OR YOUR ORGANIZATION, CONTACT THE DOCUMENT CONTROL DESK (DCD) ON EXTENSION 415-2083

TOTAL NUMBER OF COPIES REQUIRED: LTR 15 ENCL 14

C  
A  
T  
E  
G  
O  
R  
Y  
1  
D  
O  
C  
U  
M  
E  
N  
T





**Pacific Gas and  
Electric Company**

**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

February 5, 1999

PG&E Letter DCL-99-017

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

Docket No. 50-275, OL-DPR-80  
Docket No. 50-323, OL-DPR-82  
Diablo Canyon Units 1 and 2

Supplement to LAR 98-06, "Revision of Technical Specification 3.4.9.1, Figures 3.4-2 and 3.4-3 - RCS Pressure/Temperature Limits and Request for Exemption from 10 CFR 50.60"

Dear Commissioners and Staff:

On September 3, 1998, PG&E submitted License Amendment Request (LAR) 98-06, "Revision of Technical Specification 3.4.9.1, Figures 3.4-2 and 3.4-3 - RCS Pressure/Temperature Limits and Request for Exemption from 10 CFR 50.60," in PG&E Letter DCL-98-121. LAR 98-06 proposes to revise the reactor coolant system pressure and temperature limit curves to be applicable through 16 effective full power years.

On November 5, 1998, the NRC provided PG&E with a request for additional information (RAI) regarding LAR 98-06. PG&E provided a response to the RAI in PG&E letter DCL-99-005, dated January 22, 1999.

On January 26, 1999, the NRC requested that PG&E provide an additional calculation and a reference to the methodology used to determine the reactor vessel thermal stresses. The requested information is provided below.

NRC Request 1:

Please provide a copy of Calculation N-NCM-97010, Revision 0, "RCS Pressure/Temperature Limits Heatup/Cooldown Curves for Technical Specification 3/4.4.9 Update."

Response:

A copy of Calculation N-NCM-97010, Revision 0, is provided in Attachment B.

//  
//

ADD 1

9902160200 990205  
PDR ADDCK 05000275  
P PDR



11

11

11

11

NRC Request 2:

Please provide the reference used as the basis for calculating the reactor vessel thermal stresses.

Response:

PG&E utilized reactor vessel thermal stress data provided by Westinghouse. Westinghouse used a finite element analysis to determine the thermal stresses. The methodology for this analysis is documented in WCAP 7942-A, "Basis For Heatup and Cooldown Limit Curves," Westinghouse Electric Corporation, April 1975.

This submittal does not affect the conclusions of the safety evaluation or the no significant hazards consideration determination performed for LAR 98-06.

Sincerely,



David H. Oatley

cc: Edgar Bailey, DHS  
Steven D. Bloom  
Ellis W. Merschoff  
Linda J. Smith  
David L. Proulx  
Diablo Distribution

Attachments

JER/



Faint, illegible text or markings in the upper left quadrant.

Faint, illegible text or markings in the upper right corner.

Faint, illegible text or markings in the middle right area.

Faint, illegible text or markings in the center of the page.

A single small black speck or mark in the lower center.

Faint, illegible text or markings in the lower right area.

UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION

_____ )	Docket No. 50-275
In the Matter of )	Facility Operating License
PACIFIC GAS AND ELECTRIC COMPANY )	No. DPR-80
)	
Diablo Canyon Power Plant )	Docket No. 50-323
Units 1 and 2 )	Facility Operating License
_____ )	No. DPR-82

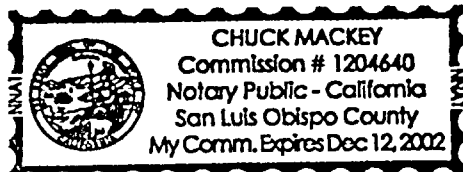
AFFIDAVIT

David H. Oatley, of lawful age, first being duly sworn upon oath says that he is Vice President - Diablo Canyon Operations and Plant Manager, Pacific Gas and Electric Company; that he is familiar with the content thereof; that he has executed Supplement to License Amendment Request 98-06, dated February 5, 1999, on behalf of said company with full power and authority to do so; and that the facts stated therein are true and correct to the best of his knowledge, information, and belief.

  
\_\_\_\_\_  
David H. Oatley  
Vice President - Diablo Canyon Operations and Plant Manager

Subscribed and sworn to before me this 5th day of February, 1999.  
County of San Luis Obispo  
State of California

  
\_\_\_\_\_  
Notary Public



CHUCK WALKER  
COMMISSIONER OF LANDS  
AND NATURAL RESOURCES  
STATE OF TEXAS  
MAY 19 1964