

November 2, 2000

Mr. Gregory M. Rueger
Senior Vice President, Generation and
Chief Nuclear Officer
Pacific Gas and Electric Company
Diablo Canyon Nuclear Power Plant
P. O. Box 3
Avila Beach, CA 94177

SUBJECT: DIABLO CANYON NUCLEAR POWER PLANT, UNIT NO. 1 - CORRECTION
TO AMENDMENT 143 RE: UNIT 1 REACTOR CORE THERMAL POWER
UPRATE (TAC NO. MA7813)

Dear Mr. Rueger:

On October 26, 2000, the Commission issued Amendment No. 143 to Facility Operating License No. DPR-80 for the Diablo Canyon Nuclear Power Plant, Unit No. 1. The amendment consisted of changes to Facility Operating License No. DPR-80 to authorize operation at reactor core power levels not to exceed 3411 megawatts thermal (100 percent rated power). The amendment revised TS Figure 2.1.1-1 and TS Table 3.3.1-1.

The purpose of this letter is to correct certain typographical errors in TS Figure 2.1.1-1 and TS Table 3.3.1-1. Due to an administrative oversight, TS Figure 2.1.1-1 did not identify the acceptable region for operation. To be consistent with the existing TS, and to add clarity, TS Figure 2.1.1-1 is corrected to identify the acceptable region for operation. Further, the footnote in TS Figure 2.1.1-1 and Table 3.3.1-1 is corrected to indicate the previously approved license amendment No. 142. The corrected pages are enclosed.

Sincerely,
/RA/

L. Raghavan, Sr. Project Manager, Section 2
Project Directorate IV & Decommissioning
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

DISTRIBUTION:

PUBLIC
PDIV-2 Reading
RidsNrrDlpmPdiv (SRichards)JWermiel
RidsNrrPMSBloom JHannon
RidsNrrPMLRaghavan RBarrett
RidsNrrLAEPeyton JCalvo
RidsOgcRp Elmbro
RidsAcrcAcnwMailCenter
RidsRgn4MailCenter (DBujol,
LHurley, LSmith)

Docket No. 50-275

Enclosure: As stated

cc w/encl: See next page

Accession No. ML0037

OFFICE	PDIV-2/PM	PDIV-2/LA	PDIV-2/SC
NAME	LRaghavan	EPeyton	SDembek
DATE	11/2/00	11/2/00	11/2/00

DOCUMENT NAME: G:/PDIV-2/Diablo Canyon/correctionamd7813.wpd

OFFICIAL RECORD COPY

Diablo Canyon Power Plant, Unit 1

cc:

NRC Resident Inspector
Diablo Canyon Nuclear Power Plant
c/o U.S. Nuclear Regulatory Commission
P.O. Box 369
Avila Beach, CA 93424

Dr. Richard Ferguson, Energy Chair
Sierra Club California
1100 11th Street, Suite 311
Sacramento, CA 95814

Ms. Nancy Culver
San Luis Obispo
Mothers for Peace
P.O. Box 164
Pismo Beach, CA 93448

Chairman
San Luis Obispo County Board of
Supervisors
Room 370
County Government Center
San Luis Obispo, CA 93408

Mr. Truman Burns
Mr. Robert Kinosian
California Public Utilities Commission
505 Van Ness, Room 4102
San Francisco, CA 94102

Mr. Steve Hsu
Radiologic Health Branch
State Department of Health Services
P.O. Box 942732
Sacramento, CA 94327-7320

Diablo Canyon Independent Safety
Committee
ATTN: Robert R. Wellington, Esq.
Legal Counsel
857 Cass Street, Suite D
Monterey, CA 93940

Regional Administrator, Region IV
U.S. Nuclear Regulatory Commission
Harris Tower & Pavilion
611 Ryan Plaza Drive, Suite 400
Arlington, TX 76011-8064

Christopher J. Warner, Esq.
Pacific Gas & Electric Company
Post Office Box 7442
San Francisco, CA 94120

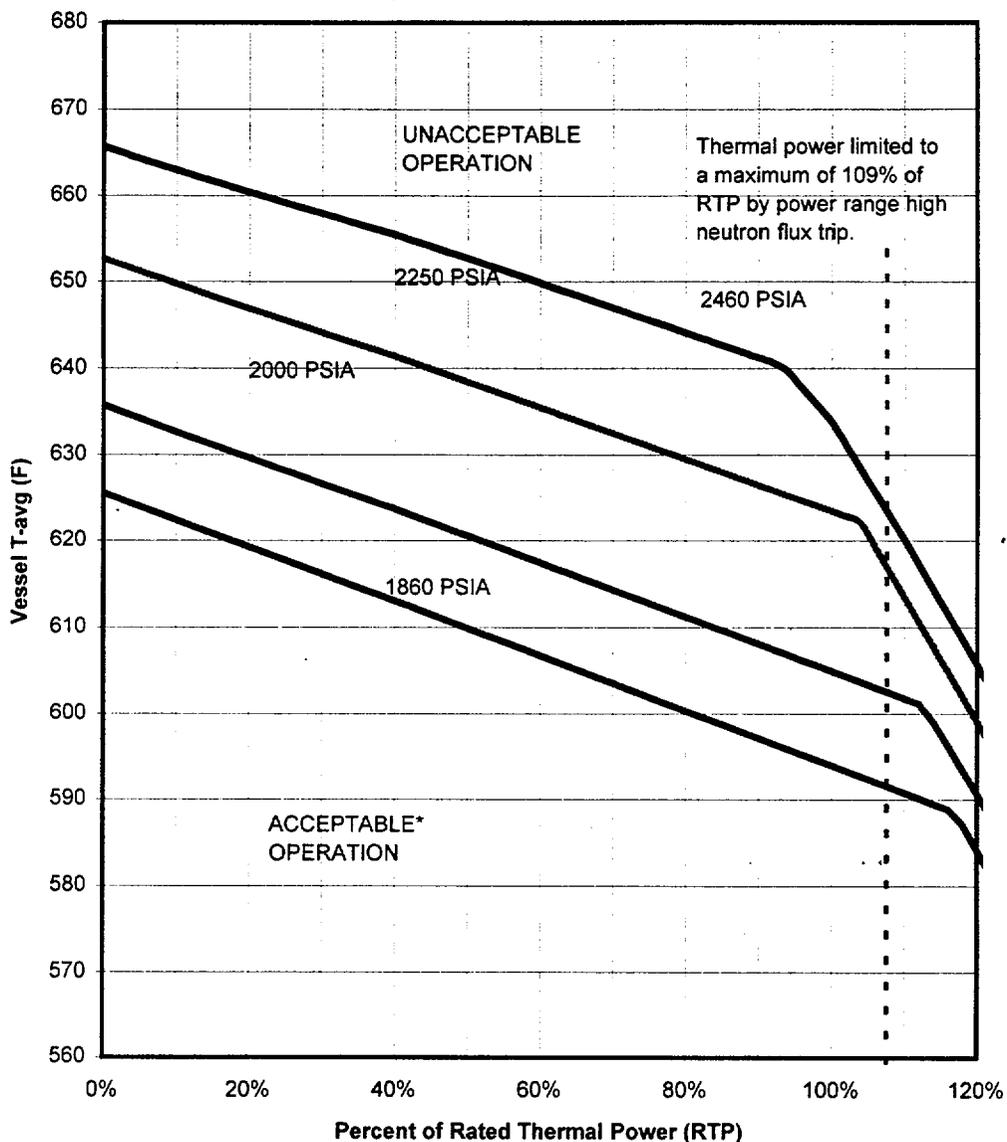
Mr. David H. Oatley, Vice President
Diablo Canyon Operations and
Plant Manager
Diablo Canyon Nuclear Power Plant
P.O. Box 3
Avila Beach, CA 93424

Telegram-Tribune
ATTN: Managing Editor
1321 Johnson Avenue
P.O. Box 112
San Luis Obispo, CA 93406

Mr. Ed Bailey, Radiation Program Director
Radiologic Health Branch
State Department of Health Services
P.O. Box 942732 (MS 178)
Sacramento, CA 94327-7320

Mr. Robert A. Laurie, Commissioner
California Energy Commission
1516 Ninth Street (MS 31)
Sacramento, CA 95814

UNITS 1 & 2



*When operating in the reduced RTP region of Technical Specification LCO 3.4.1 (Table 3.4.1-1 for Unit 1 and Table 3.4.1-2 for Unit 2) the restricted power level must be considered 100% for this Figure.

Figure 2.1.1-1
REACTOR CORE SAFETY LIMIT

Table 3.3.1-1 (page 6 of 7)
Reactor Trip System Instrumentation

Note 1: Overtemperature ΔT

The Overtemperature ΔT Function Allowable Value shall not exceed the following Trip Setpoint by more than 0.46% of ΔT span for hot leg or cold leg temperature inputs, 0.14% ΔT span for pressurizer pressure input, 0.19% ΔT span for ΔI inputs.

$$\Delta T \frac{(1+\tau_4 s)}{(1+\tau_5 s)} \leq \Delta T_o \left\{ K_1 - K_2 \frac{(1+\tau_1 s)}{(1+\tau_2 s)} [T - T'] + K_3 (P - P') - f_1(\Delta I) \right\}$$

Where: ΔT is measured RCS ΔT , °F.

ΔT_o is the loop specific indicated ΔT at RTP, °F.

s is the Laplace transform operator, sec^{-1} .

T is the measured RCS average temperature, °F.

T' is the nominal loop specific indicated T_{avg} at RTP, ≤ 577.3 (Unit 1) & 577.6 (Unit 2) °F.

P is the measured pressurizer pressure, psig

P' is the nominal RCS operating pressure, = 2235 psig

$K_1 = 1.20$

$K_2 = 0.0182/^\circ\text{F}$

$K_3 = 0.000831/\text{psig}$

$\tau_1 = 30 \text{ sec}$

$\tau_2 = 4 \text{ sec}$

$\tau_4 = 0 \text{ sec}$

$\tau_5 = 0 \text{ sec}$

$f_1(\Delta I) =$

$- 0.0275\{ 19 + (q_t - q_b)\}$

when $q_t - q_b \leq - 19\% \text{ RTP}$

$0\% \text{ of RTP}$

when $-19\% \text{ RTP} < q_t - q_b \leq 7\% \text{ RTP}$

$0.0238\{(q_t - q_b) - 7\}$

when $q_t - q_b > 7\% \text{ RTP}$

Where q_t and q_b are percent RTP in the upper and lower halves of the core, respectively, and $q_t + q_b$ is the total THERMAL POWER in percent RTP.

