

AEC DISTRIBUTION FOR PART 50 DOCKET MATERIAL  
(TEMPORARY FORM)

CONTROL NO: 4685

FILE ENVIRO

FROM: Pacific Gas & Elec. Co. San Francisco, Calif. 94106 F.T. Searls	DATE OF DOC: 8-22-72	DATE REC'D 8-25-72	LTR X	MEMO	RPT	OTHER
TO: DRL	ORIG 1 signed	CC	OTHER	SENT AEC PDR ✓ SENT LOCAL PDR ✓		
CLASS: <u>U</u> PROP INFO	INPUT	NO CYS REC'D 1	DOCKET NO: <u>50-275</u> 50-323			

DESCRIPTION: Ltr re their 7-28-72 submittal. furnishing addl info to SUPPL #2 of the Enviro Rpt for Diablo Canyon Plant.....

ENCLOSURES:

**ACKNOWLEDGED**  
**DO NOT REMOVE**

PLANT NAMES: Diablo Canyon Plant

FOR ACTION/INFORMATION DL 8-25-72

BUTLER(L) W/ Copies	✓ KNIEL(L) W/ 1 Copies	VASSALLO(L) W/ Copies	ZIEMANN(L) W/ Copies	KNIGHTON(ENVIRO) W/ Copies
CLARK(L) W/ Copies	SCHWENCER(L) W/ Copies	H. DENTON W/ Copies	CHITWOOD(FM) W/ Copies	W/ Copies
GOLLER(L) W/ Copies	STOLZ(L) W/ Copies	SCHEMEL(L) W/ Copies	✓ DICKER(ENVIRO) W/ 2 Copies	W/ Copies

INTERNAL DISTRIBUTION

✓ REG FILE (2)	TECH REVIEW	VOLLMER	HARLESS	✓ WADE
✓ AEC PDR (2)	HENDRIE	DENTON		SHAHER
OGC, ROOM P-506A	SCHROEDER	GRIMES	F & M	BROWN
✓ MUFFLING/STAFF	MACCARY	GAMMILL	SMILEY	
CASE	LANGE	✓ KASTNER	NUSSBAUMER	A/T IND
GIAMBUSSO	PAWLICKI	✓ BALLARD		BRITMAN
BOYD-L(BWR)	SHAO	✓ FINE	LIC ASST.	SALTZMAN
✓ DEYOUNG-L(PWR)	KNUTH		SERVICE	
SKOVHOLT-L	STELLO	ENVIRO	MASON	PLANS
P. COLLINS	MOORE	✓ MULLER	✓ WILSON	MCDONALD
	THOMPSON	DICKER	KARI	DUBE
REG OPR	TEDESCO	KNIGHTON	SMITH	
✓ FILE & REGION (2)	LONG	YOUNGBLOOD	GEARIN	✓ C. MILES
MORRIS	LAINAS	PROJECT LEADER	DIGGS	
STEELE	✓ BENAROYA		TIETS	

EXTERNAL DISTRIBUTION

- ✓ 1-LOCAL PDR San Luis Obispo, Calif.
- ✓ 1-DTIE(LAUGHLIN)
- ✓ 1-NSIC(BUCHANAN)
- ✓ 1-ASLB- [REDACTED]
- ✓ 1-WOODWARD/H. ST.
- ✓ 16-CYS ACRS HOLDING
- ✓ 1- [REDACTED] (9)-NATIONAL LAB'S <sup>SENT</sup> 8-25-72 ✓
- 1- [REDACTED] /ORNL/ [REDACTED]
- 1-R. CARROLL-OC, GT-B227
- 1-R. CATLIN, A-170-GT.
- 1-CONSULANT'S
- NEWMARK/BLUME/AGABIAN
- 1-PDR-SAN/LA/XX
- 1-GERALD LELLUCHE
- BROOKHAVEN NAT. LAB
- 1-BOLAND, IDAHO FALLS,
- IDAHO(50-331 Only)
- 1-RD
- F-309GT

... ..

... ..

..

..

..

PACIFIC GAS AND ELECTRIC COMPANY

PG&E + 77 BEALE STREET • SAN FRANCISCO, CALIFORNIA 94106 • (415) 781-4211

FREDERICK T. SEARLS  
VICE PRESIDENT AND GENERAL COUNSEL  
JOHN C. MORRISSEY  
ASSOCIATE GENERAL COUNSEL  
WILLIAM B. KUDER  
WILLIAM E. JOHNS  
MALCOLM H. FURBUSH  
CHARLES T. VAN DEUSEN  
MALCOLM A. MACKILLOP  
PHILIP A. CRANE, JR.  
ASSISTANT GENERAL COUNSEL

August 22, 1972



NOEL KELLY  
HENRY J. LAPLANTE  
RICHARD A. CLARKE  
GILBERT L. HARRICK  
EDWARD J. MCGANNEY  
JOHN D. GIBSON  
GLENN WEST, JR.  
ARTHUR L. MILLMAN, JR.  
CHARLES W. THIBBELL  
SENIOR COUNSEL  
ROBERT OHLEBACH  
SANFORD M. SKAGGS  
STANLEY T. SKINNER  
DANIEL E. GIBSON  
J. BRADLEY BUNNIN  
BERNARD J. DELLASANTA  
JACK F. FALLIN, JR.  
DONALD L. FREITAS  
JAMES C. LOGSDON  
JOSEPH B. ENGLERT, JR.  
TIMOTHY M. KELLEHER  
ROBERT L. GORDON  
ATTORNEYS

U. S. Atomic Energy Commission  
Washington, D. C. 20545

Attention: Director, Directorate of  
Licensing

Re: Dockets 50-275, 50-323  
Supplement No. 2  
Diablo Canyon Environmental Report

Gentlemen:

On July 28, 1972 we sent to you Supplement No. 2 to the Diablo Canyon Environmental Report. We now understand that persons reviewing this document have some questions concerning the predictions shown on page IV-C-12, and this letter is submitted to clarify the material set forth on that page.

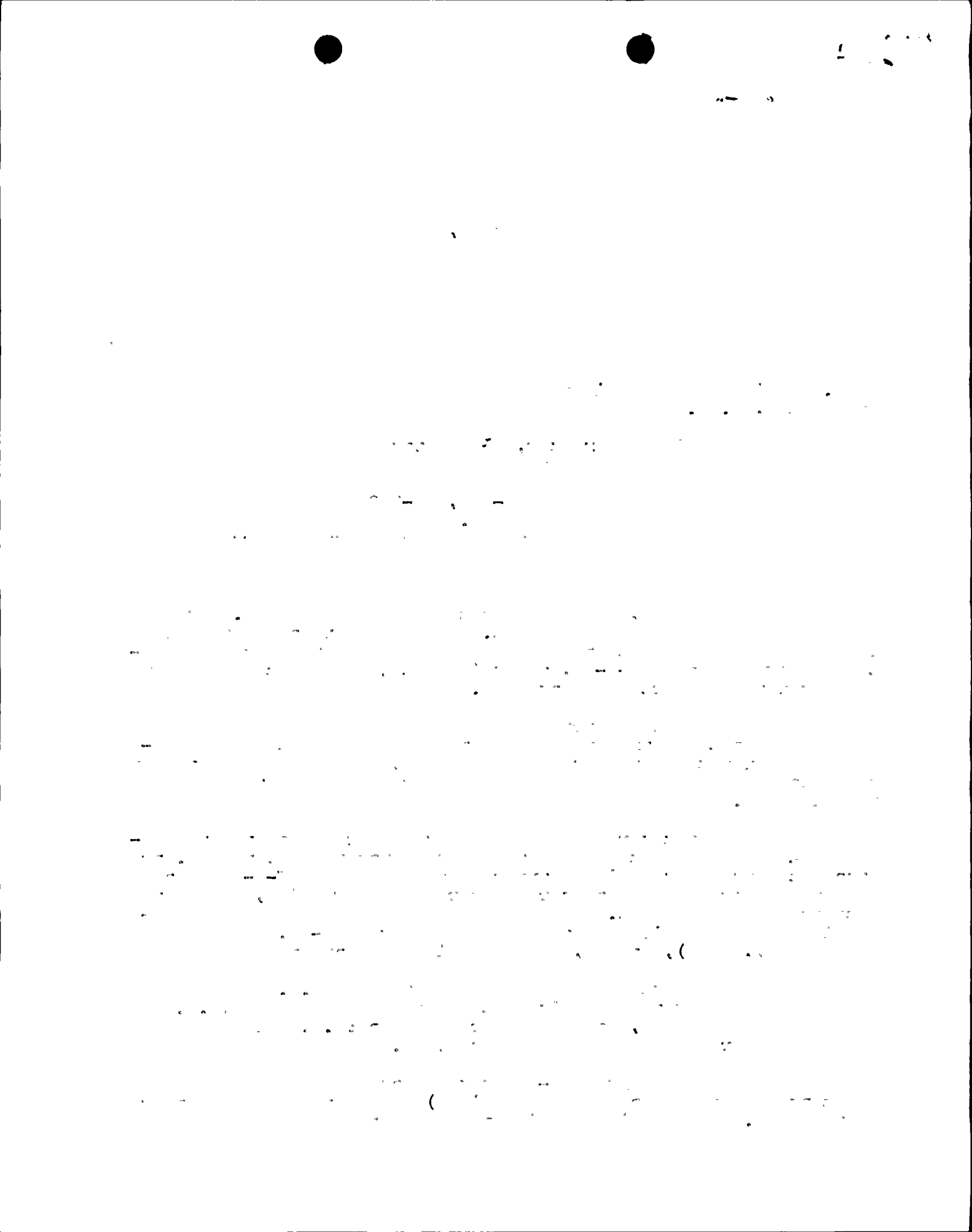
In the first paragraph on this page all the acre figures except the last one are maximums because in many instances we believe the area to be affected will be less. To be strictly accurate the phrase "not to exceed" should be inserted before each of these acre figures.

The last three sentences in the third paragraph are intended to convey the thought that the temperature increase vs. area data set forth in the first paragraph and in Table IV-C-6 is based upon a discharge pipe diameter for three 1060 mw units, which was estimated to be 30 feet. The source of this data is found in Appendix P to the Environmental Report (Report 6674-67, issued February 27, 1967), page 3, which provides in part as follows:

"Setting the discharge diameter . . . equal to 30 feet and an initial temperature difference . . . [of] 18° F, values of surface area . . . were computed for the Diablo Canyon site . . ."

The conclusion of Report 6674-67 stated that the proposed 1060 mw plant at the Diablo Canyon site (Unit 1) would cause a temperature increase vs. area condition which actually had been computed for

4685



U. S. Atomic Energy Commission  
Attn.: Director, Directorate of Licensing

August 22, 1972  
Page 2

a three-unit discharge diameter of 30 feet. This conclusion was obviously conservative for a one-unit prediction, and, as stated, it has since resulted in some confusion. When applications for Unit 2 permits were submitted the same temperature increase vs. area conditions, as originally computed for a three-unit discharge, were again submitted as the prediction for the two units proposed. While this action reduced the conservatism of the original prediction as it applied to one unit, it still appeared conservative. This conclusion was reinforced by additional temperature increase vs. area data secured at existing operating plants in the years 1967 and 1968. No data nor analyses since 1968 have reduced our confidence in the conservatism of the predictions.

The same prediction of temperature increase vs. area for Units 1 and 2 was stated in Mr. R. F. Cayot's testimony at the hearing before the AEC's Atomic Safety and Licensing Board, May 17-20, 1972, at San Luis Obispo (Tr. p. 389). Again, it should be emphasized that these figures are for a discharge from a 30-foot pipe, which we estimate to be equivalent to a discharge from three 1060 mw units.

Very truly yours,

*F. T. Seals*

CC: Mr. Joseph Hafford, ORNL

Regulatory File Cy

