

FROM: Pacific Gas & Electric Company
 San Francisco, California 94106
 (Richard H. Peterson)

DATE OF DOCUMENT: 9-10-69

DATE RECEIVED: 9-15-69

NO.: 2914

LTR. MEMO: (1 signed) OTHER:

TO: DRL

ORIG: 1 CC: 1 OTHER:

ACTION NECESSARY CONCURRENCE DATE ANSWERED:
 NO ACTION NECESSARY COMMENT BY:

CLASSIF: U POST OFFICE REG. NO:

FILE CODE: 50-323

DESCRIPTION: (Must Be Unclassified)
 Ltr trans the following:

REFERRED TO	DATE	RECEIVED BY	DATE
Knuth w/4 cys for ACTION	9-15-69		
<u>DISTRIBUTION:</u>		DO NOT REMOVE ACKNOWLEDGED	
Regulatory file ←			
AEC PDR			
Compliance (2)			
BGC			
H. Price & Staff			
Dube/Levine		Howe	
Boyd		Dromerick (2)	
Saltzman		Case	
D. Thompson		DTIE (Laughlin)	
Rosen		NSIC (Buchanan)	
Moore		AEC Hqtrs	Libraries
(3 signed & 67 conf'd amt # 5, 1 Orig & 1 conf'd Cert of Sv rec'd) Holding (18) cys for ACRS.		2914	foa

ENCLOSURES:
 AMDT # 5, dtd & notarized 9-8-69, consisting of revised pages.
 CERTIFICATE OF SERVICE, dtd 9-10-69 showing service of Amdt # 5 upon Mr Elston L. Kidwell, Chmn, San Luis Obispo County Bd of Supvr and other persons named.

REMARKS:
 Annual Financial Report for 1968.

SECRET



DO NOT WRITE IN THESE SPACES

SECRET

SECRET

SECRET

PACIFIC GAS AND ELECTRIC COMPANY

PG&E + 245 MARKET STREET • SAN FRANCISCO, CALIFORNIA 94106 • (415) 781-4211

RICHARD H. PETERSON
SENIOR VICE PRESIDENT
AND GENERAL COUNSEL
FREDERICK T. SEARLS
GENERAL ATTORNEY

September 10, 1969

WILLIAM S. KUDER
WILLIAM E. JOHNS
MALCOLM H. FURUSH
JOHN A. SPROUL
PHILIP A. CRANE, JR.
HENRY J. LA PLANTE
EDWARD J. MCDANNEY
JOHN B. GIBSON
ARTHUR L. MILLMAN, JR.
ROSS WOREMAN
ROBERT OHLBACH
STANLEY T. BEINER
DONALD MITCHELL
ATTORNEYS
JOHN D. MORRISSEY
RICHARD A. RAFTERY
CHARLES T. VAN DEUSEN
MALCOLM A. MACKILLOP
NOEL KELLY
GILBERT L. HARRICK
JOHN S. COOPER
GLENN WEST, JR.
CHARLES W. THIBBELL
RICHARD J. KOHLMAN
SANFORD H. SHARPS
JOHN G. M. LANGERT

AIR MAIL

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

Regulatory, File Cy.

Attention: Director, Division of
Reactor Licensing

Re: Nuclear Unit 2
Diablo Canyon Site
Docket No. 50-323
Amendment No. 5



Gentlemen:

Enclosed are three signed and sixty-seven con-
formed copies of Amendment No. 5 to Pacific Gas and
Electric Company's above-numbered application.

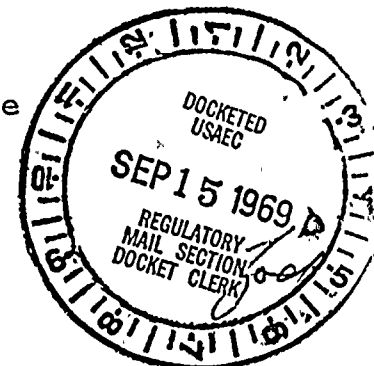
In accordance with 10 CFR 2.101(b), a copy of
this amendment is being served upon Mr. Elston L. Kidwell,
Chairman of the San Luis Obispo County Board of Super-
visors. In accordance with 10 CFR 50.30(c)(2), a copy
of this amendment is being served upon the other persons
named in the enclosed certificate of service.

Kindly acknowledge receipt of the above material
on the enclosed copy of this letter and return it to me in
the enclosed addressed envelope.

Very truly yours,

Richard H Peterson

PAC:TC
Enclosures
CC: Persons listed on enclosed certificate of service



2914 X

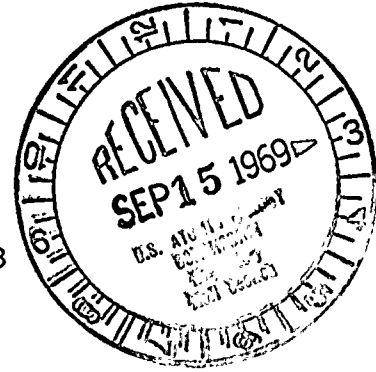


11

[The body of the document contains several paragraphs of text that are extremely faint and illegible due to the high contrast of the scan. The text appears to be organized into paragraphs, but the specific words and sentences cannot be discerned.]



UNITED STATES OF AMERICA
ATOMIC ENERGY COMMISSION



In the Matter of)
)
PACIFIC GAS AND ELECTRIC)
COMPANY)
(Diablo Canyon Unit 2))

Docket No. 50-323

CERTIFICATE OF SERVICE

Amendment No. 5 to the application of Pacific Gas and Electric Company for a Class 104 b. license and other applicable licenses for a second nuclear unit at its Diablo Canyon site, San Luis Obispo County, California, has been served today on the following by deposit in the United States mail, properly stamped and addressed:

Mr. Elston L. Kidwell, Chairman
San Luis Obispo County Board of
Supervisors
County Courthouse
San Luis Obispo, California 93401

Dr. Rolf Eliassen
Department of Civil Engineering
Stanford University
Stanford, California 94305

Mr. James P. Gleason
205 Commonwealth Building
1625 K Street, N. W.
Washington, D. C. 20006

Mr. A. A. Wells, Chairman
Atomic Safety and Licensing
Board Panel
U. S. Atomic Energy Commission
Washington, D. C. 20545

Mr. Jack M. Campbell
Stephenson, Campbell & Olmsted
231 Washington Avenue
P. O. Box 877
Santa Fe, New Mexico

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

Attn: Chief, Public Proceedings
Branch

Dr. Hugh C. Paxton
Los Alamos Scientific Laboratory
P. O. Box 1663
Los Alamos, New Mexico 87544

Dr. Peter A. Morris, Director
Division of Reactor Licensing
U. S. Atomic Energy Commission
Washington, D. C. 20545

(2 copies)

Dr. Thomas H. Pigford
Professor of Nuclear Engineering
University of California
Berkeley, California 94720

Philip A. Crane, Jr.
Philip A. Crane, Jr.
Attorney for
Pacific Gas and Electric Company

Dated: September 10, 1969.

THE UNIVERSITY OF CHICAGO

DEPARTMENT OF CHEMISTRY
5800 S. UNIVERSITY AVENUE
CHICAGO, ILLINOIS 60637

RESEARCH REPORT

BY [Name] AND [Name]

DEPARTMENT OF CHEMISTRY

CHICAGO, ILLINOIS

1962

CHICAGO, ILLINOIS

CHICAGO, ILLINOIS

CHICAGO, ILLINOIS

BEFORE THE UNITED STATES ATOMIC ENERGY COMMISSION

In the Matter of)
PACIFIC GAS AND ELECTRIC COMPANY)
(Diablo Canyon Unit 2))

Docket No. 50-323

Amendment No. 5

Now comes PACIFIC GAS AND ELECTRIC COMPANY (the Company) and amends its above-numbered application by submitting herewith Amendment No. 5. This amendment contains revised pages updating material previously filed or answering additional questions propounded by the Commission.

Subscribed in San Francisco, California, this 8th day of September, 1969.

Respectfully submitted,

PACIFIC GAS AND ELECTRIC COMPANY

BY John F. Bonner
John F. Bonner
Executive Vice President

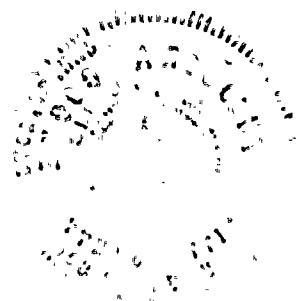
RICHARD H. PETERSON
JOHN C. MORRISSEY
PHILIP A. CRANE, JR.
ROSS WORKMAN
Attorneys for Pacific Gas
and Electric Company

BY Philip A. Crane, Jr.
Philip A. Crane, Jr.



Subscribed and sworn to before me
this 8th day of September, 1969
Theodora Cooke
Theodora Cooke, Notary Public in
and for the City and County of
San Francisco, State of California
My Commission expires January 28, 1973.

12



The following information and check list are furnished as a guide for the insertion of new sheets for Amendment 5 into the Preliminary Safety Analysis Report for Nuclear Unit 2 - Diablo Canyon Site.

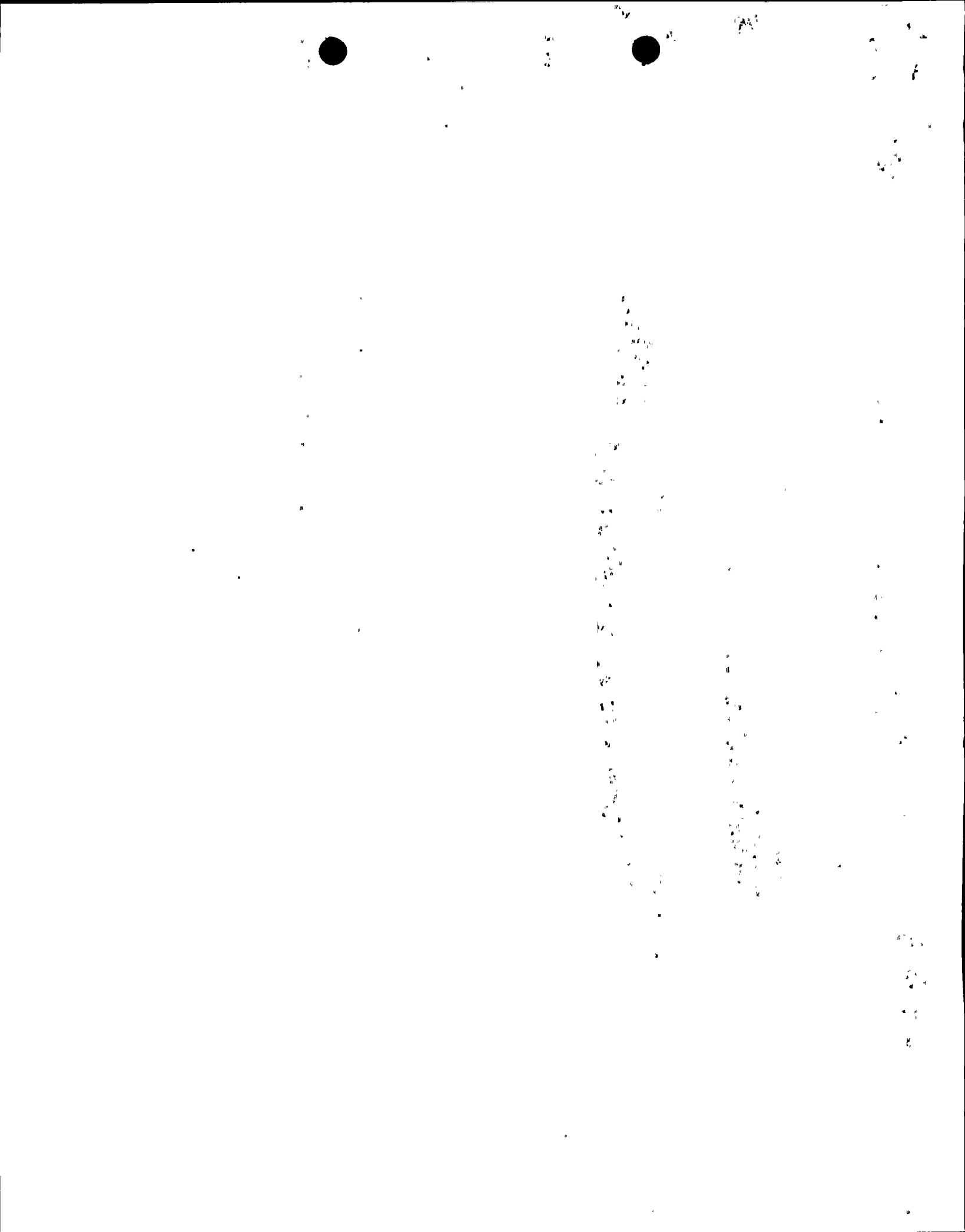
The new sheets contain both amended and supplementary material. This material is denoted by a vertical bar with the figure "5" inscribed in the margin of the page adjacent to the information. Where such marks appear adjacent to blank portions of a page, a deletion is indicated. Editorial corrections are not marked.

Since the PSAR is printed on both sides of sheets of loose leaf paper, the front or back of an Amendment 5 sheet may contain information that is merely reprinted, rather than changed. Such pages are identified by an asterisk (*) in the listing below. Figures are generally printed on one side only.

Insertions made 9/26/69

The old sheets should be discarded and new ones inserted, as listed below:

<u>Discard Old Sheet</u> <u>(Front/Back)</u>	<u>Insert New Sheet</u> <u>(Front/Back)</u>	<u>Discard Old Sheet</u> <u>(Front/Back)</u>	<u>Insert New Sheet</u> <u>(Front/Back)</u>
<u>LICENSE APPLICATION</u>		<u>CHAPTER 3</u>	
Page:		Page:	
2	2 ✓	3-iii/iv	3-iii/iv*
3	3 ✓	3-17/18	3-17*/18
4	4 ✓	3-35/36	3-35*/36
5	5 ✓	3-72a/72b	3-72a*/72b
6	6 ✓	3-81/82	3-81/blank
Exhibit A	Exhibit A ✓		3-81a/82*
		3-87/88	3-87*/88
		3-91/92	3-91/92*
		3-95/96	3-95/96*
<u>CHAPTER 2</u>		<u>CHAPTER 4</u>	
Page:		Page:	
2-i/ii ✓	2-i*/ii ✓	4-i/ii	4-i*/ii
2-1/2 ✓	2-1*/2 ✓	4-35/36	4-35/36*
	2-2a/blank ✓	4-53/54	4-53/53a ✓
2-15/16	2-15/16*		4-53b/54
2-37/38	2-37/38	4C-1/2	4C-1/blank
2-39/40	2-39/40		4C-1a*/2
	2-41/blank		4C-4
Figure:		Figure:	
2-13	2-13		



Discard Old Sheet
(Front/Back)

Insert New Sheet
(Front/Back)

Discard Old Sheet
(Front/Back)

Insert New Sheet
(Front/Back)

CHAPTER 5

Page:

5-iii/blank

5-15/16

5-23/24

5-27/28

5-31/32

5-35/36

5-57/58

Figure:

5-14A

5-19A

CHAPTER 6

Page:

6-11/12

CHAPTER 7

Page:

7-i/ii

7-v/vi

7-5/6

7-23/24

7-25/26

7-31/32

7-32a/blank

7-43/44

7-45/45

7-46a/46b

5-iii/blank

5-15/16*

5-23/24*

5-27*/28

5-28a/blank

5-31/32

5-35/36*

5-57/58*

5-14A

5-19A

6-11/12*

7-i*/ii

7-v/vi

7-5*/6

7-23*/24

7-24/24b

7-24c/blank

7-25/26*

7-26a/26b

7-31/32

7-43*/44

7-45/45a

7-45b/46

7-46a/46b

CHAPTER 7 (cont.)

Page:

7-65/66

7-67b/67c

7-67d/68

7-69/70

7-79/80

Figure:

7-9

7-10A(Sheet 2)

7-11

7-15

7-17 (Sheet 1)

7-17 (Sheet 2)

7-17 (Sheet 3)

7-24 (Sheet 2)

7-65/66

7-67b/67c*

7-67d/68

7-69/70*

7-79*/80

7-9

7-10A (Sheet 2)

7-11

7-11A

7-11B

7-15

7-17 (Sheet 1)

7-17 (Sheet 2)

7-17 (Sheet 3)

7-24 (Sheet 2)

CHAPTER 8

Page:

8-i/ii

8-13/14

8-25/26

8-27/28

8-31/32

8-i/ii*

8-13*/14

8-14a/blank

8-25/25a

8-25b/26

8-27/28*

8-31/32*

CHAPTER 9

Page:

9-v/vi

9-21/22

9-25/26

9-v/vi*

9-4a/blank

9-21*/22

9-25/26*



Vertical line of dots

Vertical line of dots

Vertical line of dots

Vertical line of dots

Discard Old Sheet
(Front/Back)

Insert New Sheet
(Front/Back)

Discard Old Sheet
(Front/Back)

Insert New Sheet
(Front/Back)

CHAPTER 9 Cont.)

Page:

9-119/120
9-121/blank
9-121a/122

9-119*/120
9-121/blank
9-121a/122*

CHAPTER 11

Page:

11-i/ii
11-3/4
11-15/16
11-17/18
11-47/48

11-i/ii*
11-3*/4
11-15*/16
11-17/18
11-47/48*

CHAPTER 12

Page:

12-9/10
12-37/37a
12-37b/blank
12-39/40
12-57/58
12E-1/2

12-9*/10
12-37*/37a
12-37b/blank
12-39*/40
12-40a/blank
12-57/58
12E-1/2

Figure:

12E-1
12E-2
12E-3

CHAPTER 13

Page:

13-1/ii
13-1/2
13-3/4
13-9/10
13-21/22

13-1/ii
13-1*/2
13-3*/4
13-9/9a
13-9b/10
13-21*/22

APPENDIX B - GEOLOGY *See note below*

John A. Blume & Associates,
Engineers. Letter and Report
dated January 12, 1967 should be
discarded.

APPENDIX G - QUALITY ASSURANCE

Page:

1/2
3/4
5/6
13/14

1/blank
1a/2
3/4
5/6
13/13a
13b/14

Figure:

I

I

1-12-67 Ltr. & rpt.

*by Blume was
actually under*

*Appendix D -
Seismic Design
instead of*

Appen. B.

*(has been
removed and
placed w/super-
seded pages)*

