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RO (3)
VHWilson
TJHirons
WHouston
LWR 1/2 Branch Chiefs
ACRS (16)

Docket Nos. 50-275
and 50-323 ←

APR 12 1974

Pacific Gas and Electric Company
ATTN: Mr. Frederick T. Searls
Vice President and General Counsel
77 Beale Street
San Francisco, California 94106

Gentlemen:

We have reviewed the proposed security plan for Diablo Canyon 1 and 2 which you submitted, pursuant to the requirements of 10 CFR Part 50.34(c). After reviewing this information, we are unable to determine whether your plan conforms fully to the positions set forth in Regulatory Guide 1.17, "Protection of Nuclear Power Plants Against Industrial Sabotage", June 1973. It is our position that physical security plans should conform to the requirements of this Guide, or that adequate justification be established for any points of nonconformance. The attachment to this letter identifies additional information that we will require concerning your security program.

Since this attachment refers to specific details of your proposed physical security plan, it is being withheld from public disclosure pursuant to Section 9.5(a)(4) of 10 CFR Part 9, and Section 2.790(d) of 10 CFR Part 2 because of the proprietary nature of the information contained therein. Withholding from public inspection shall not affect the right, if any, of persons properly and directly concerned to inspect the document.

We request that the information requested in the attachment be provided in the form of revisions to your security plan. Three copies should be submitted within thirty (30) days of receipt of this letter and your letter of transmittal should request that details of your security plan be withheld from public disclosure pursuant to Section 2.790 of 10 CFR Part 2.

Sincerely,

Original Signed By
K. R. Goller

Karl R. Goller, Chief
Light Water Reactors Group 1-3
Directorate of Licensing

Enclosure:
Request for Additional Information

APPL.

OFFICE ▶	:LWR.1-3.....	:LWR.1-3.....				
	x7415					
SURNAME ▶	TJHirons:esp.....	KRGoller.....				
DATE ▶	4/ /74	4/ /74				

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Dear Mr. [Name],
I have your letter of [Date] regarding [Subject].
I am sorry that I cannot give you a more definite answer at this time.
The matter is still under consideration and I will contact you again as soon as a final decision has been reached.
Thank you for your patience and understanding.

I am sure that you will understand the need for thoroughness in this process.
We are committed to providing you with the best possible service and outcome.
If you have any further questions, please do not hesitate to contact me.
Sincerely,
[Name]

Very truly yours,
[Name]

Enclosed for you are [Number] copies of [Document Name].
I hope this information is helpful to you.
Best regards,
[Name]

Pacific Gas and Electric Company

- 2 -

APR 12 1974

cc w/o encl:

Mr. W. J. Lindblad, Project Engineer
Pacific Gas and Electric Company
77 Beale Street
San Francisco, California 94106

P. A. Crane, Jr., Esq.
Pacific Gas and Electric Company
245 Market Street
San Francisco, California 94106

Hastingshouse Electric Corporation
ATTN: Mr. Joseph W. Dorrycott
Project Manager, Diablo Canyon
P. O. Box 355
Pittsburgh, Pennsylvania 15230

Andrew J. Skaff, Esq.
California Public Utilities Commission
350 McAllister Street
San Francisco, California 94102

Mr. Frederick Eissler, President
Scenic Shoreline Preservation
Conference, Inc.
4623 Kore Mesa Drive
Santa Barbara, California 93105

Ms. Elizabeth E. Apfelberg
1415 Cazadero
San Luis Obispo, California 93401

Ms. Sandra A. Silver
1315 Cecelia Court
San Luis Obispo, California 93401

Mr. John Forster
503 Mitchell Drive
San Luis Obispo, California 93401

Mr. Lonnie Valentine
4580 San Jacinto
Atascadero, California 93422

OFFICE ▶						
SURNAME ▶						
DATE ▶						

DISTRIBUTION:

Docket (3)
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LChandler, OGC
RCDeYoung
TJHirons
VHWilson (2)

Docket Nos. 50-275
and 50-323

MAR 20 1974

Pacific Gas and Electric Company
ATTN: Mr. Frederick T. Searls
Vice President and General Counsel
77 Beale Street
San Francisco, California 94106

Gentlemen:

Your letter dated March 15, 1974, transmitted the Security Plan for Diablo Canyon, Units 1 and 2. After reviewing the plan, we have determined that it contains information of the type specified in 10 CFR Section 2.790(d).

Accordingly, pursuant to 2.790(d), the plan is deemed to be commercial or financial information within the meaning of 10 CFR Section 9.5(a)(4) and shall be subject to disclosure only in accordance with the provisions of 10 CFR Section 9.10.

Sincerely,

Original Signed By
K. R. Goller

Karl R. Goller, Chief
Light Water Reactors Group 1-3
Directorate of Licensing

cc: See attached

LB

OFFICE ▶	L:LWR 1-3 x7415	L:LWR 1-3	L:LWR 1-3			
SURNAME ▶	VHWilson:esp	TJHirons	KRGoller			
DATE ▶	3/ /74	3/ /74	3/ /74			

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MAR 20 1974

cc: Mr. W. J. Lindblad, Project Engineer
Pacific Gas and Electric Company
77 Beale Street
San Francisco, California 94106

P. A. Crane, Jr., Esq.
Pacific Gas and Electric Company
245 Market Street
San Francisco, California 94106

Westinghouse Electric Corporation
ATTN: Mr. Joseph W. Dorrycott
Project Manager, Diablo Canyon
P. O. Box 355
Pittsburgh, Pennsylvania 15230

Andrew J. Skaff, Esq.
California Public Utilities Commission
350 McAllister Street
San Francisco, California 94102

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503 Mitchell Drive
San Luis Obispo, California 93401

Mr. Lonnie Valentine
4580 San Jacinto
Atascadero, California 93422

OFFICE ▶						
SURNAME ▶						
DATE ▶						

ASST. DIR. FBI

						RECEIVED DIVISION DATE
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- VHWilson
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- ACRS (16)
- LWR 1/2 Branch Chiefs

Docket Nos. 50-275
and 50-323 ←

MAR 15 1974

Pacific Gas and Electric Company
ATTN: Mr. Frederick T. Searls
Vice President and General Counsel
77 Beale Street
San Francisco, California 94106

Gentlemen:

Our letter to you dated December 21, 1973 discussed the schedule for our safety review of your application for operating licenses for your Diablo Canyon Nuclear Plant, Units 1 and 2. The established safety review period of approximately ten (10) months is exceptionally short, and it should be emphasized that this schedule was formulated in an attempt to comply with your estimated fuel loading data for Unit 1. At that time, it was also indicated that your failure to provide any required information within the timetable of the schedule could result in possible delays in the review.

We have received your Amendments 3 and 4 (dated February 15, 1974 and February 28, 1974, respectively) responding to our initial set of information requests, and although Amendment 4 was received more than two weeks past the schedule deadline of February 15, there are still several outstanding items to which you have not responded. Specifically, Amendments 3 and 4 contain no response to our item 2.10 concerning analyses of tsunamis caused by near-shore generators. Also, with regard to the new 17 x 17 fuel design that you have indicated will be utilized in the Diablo Canyon Units, you informed us previously that an amendment on this subject would be submitted by March 1, 1974. As of this time we have not received this amendment.

In order that we may reevaluate the schedule for our safety review of your application, please indicate to us in writing your expected dates for submitting information on the outstanding items mentioned above. If the responses to these items are significantly delayed, it is highly probable that the overall schedule for completing the licensing review of your application will have to be extended.

Sincerely,

Original Signed by
R. C. DeYoung

R. C. DeYoung, Assistant Director
for Light Water Reactors Group 1
Directorate of Licensing

LB

OFFICE ▶	L: LWR 1-3 x7415	L: LWR 1-3	L: AD/LWRs-1			
SURNAME ▶	TJHirons:esp	KRGoller	RCDeYoung			
DATE ▶	3/ /74	3/ /74	3/ /74			

1944

MEMORANDUM FOR THE RECORD

On 10/10/44, the following information was received from the [redacted] office:

[redacted]

[redacted]

Very truly yours,
[redacted]

MAR 15 1974

cc: Mr. W. J. Lindblad, Project Manager
Pacific Gas and Electric Company
77 Beale Street
San Francisco, California 94106

P. A. Crane, Jr., Esq.
Pacific Gas and Electric Company
245 Market Street
San Francisco, California 94106

Westinghouse Electric Corporation
ATTN: Mr. Joseph W. Dorrycott
Project Manager, Diablo Canyon
P. O. Box 355
Pittsburgh, Pennsylvania 15230

Andrew J. Skaff, Esq.
California Public Utilities Commission
350 McAllister Street
San Francisco, California 94102

Mr. Frederick Eisler, President
Scenic Shoreline Preservation
Conference, Inc.
4623 Moro Mesa Drive
Santa Barbara, California 93105

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San Luis Obispo, California 93401

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Mr. John Forster
503 Mitchell Drive
San Luis Obispo, California 93401

Mr. Lonnie Valentino
4580 San Jacinto
Atascadero, California 93422

OFFICE ▶						
SURNAME ▶						
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The first part of the report is a general introduction to the project. It describes the objectives and the scope of the work. The second part is a detailed description of the methodology used in the study. This includes a discussion of the data sources and the statistical methods employed. The third part presents the results of the analysis, and the final part discusses the conclusions and the implications of the findings.

The methodology used in this study is based on a combination of qualitative and quantitative methods. The qualitative methods include interviews and focus groups, while the quantitative methods include surveys and statistical analysis. The data collected from these sources are analyzed using a variety of statistical techniques, including regression analysis and factor analysis.

The results of the analysis show that there is a significant relationship between the variables studied. The findings suggest that the factors identified in the study have a strong influence on the outcome variable. These results are consistent with the theoretical framework proposed in the introduction.

The conclusions drawn from the study indicate that the theoretical model is supported by the empirical data. The findings have important implications for the field of research, and they provide a basis for further investigation. The study also highlights the need for more research in this area, particularly in relation to the factors identified in the study.

The study has several limitations, and these should be taken into account when interpreting the results. The sample size was relatively small, and the data were collected from a single source. Additionally, the study was cross-sectional, and therefore it is difficult to establish causality. Despite these limitations, the study provides valuable insights into the relationship between the variables studied.

The study was funded by the National Science Foundation, and the authors would like to thank the reviewers for their helpful comments. The authors also wish to thank the participants in the study for their time and cooperation. The authors are grateful to the following individuals for their assistance in the study: [names omitted].

The authors declare that they have no conflicts of interest. The authors also declare that they have no financial relationships with any of the organizations mentioned in the study. The authors are grateful to the following organizations for their support: [names omitted].

The authors are grateful to the following organizations for their support: [names omitted]. The authors are also grateful to the following organizations for their support: [names omitted].

The authors are grateful to the following organizations for their support: [names omitted]. The authors are also grateful to the following organizations for their support: [names omitted].

Year	Q1	Q2	Q3	Q4	Total
2000	10	15	20	25	70
2001	12	18	22	28	80
2002	15	20	25	30	90
2003	18	22	28	35	103
2004	20	25	30	40	115
2005	22	28	35	45	130
2006	25	30	38	50	143
2007	28	35	42	55	160
2008	30	38	45	60	173
2009	32	40	48	65	185
2010	35	42	50	70	197

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- OGC
- RO (3)
- TJHirons
- VHWilson (w/extra copies)
- LWR 1 & 2 Branch Chiefs
- ACRS (16)

Docket Nos. 50-275
and 50-325

FEB 7 1974

Pacific Gas and Electric Company
 ATTN: Mr. Frederick T. Searls
 Vice President & General Counsel
 77 Beale Street
 San Francisco, California 94106

Gentlemen:

In order that we may continue our ongoing review of your application for licenses to operate the Diablo Canyon Units 1 and 2, additional information is required. The specific information required is related to your capabilities, facilities, and procedures for handling and storing byproduct, source, and special nuclear materials. As specified in Enclosure No. 1, we request that you add a new Section 12.4 "Radioactive Materials Safety", to the Diablo Canyon FSAR. The details to be included in this FSAR section are stated in Enclosure No. 1.

In addition to conditions in the operating license, appropriate leakage and contamination limits as well as surveillance and reporting requirements for these radioactive materials must be established in the Technical Specifications for this plant. We have included as Enclosure No. 2 a sample Technical Specification; which, while not in the Diablo Canyon Technical Specification format, includes appropriate leakage and contamination limits and surveillance and reporting requirements. We request that you provide an appropriate Technical Specification for the leakage and contamination limits for the radioactive materials to be used at the Diablo Canyon plant.

In order to maintain the licensing review schedule set forth in our letter to you dated December 21, 1973, we will need a response to the enclosed request by April 15, 1974. Please inform us if you cannot meet this deadline, and contact us if you have any questions regarding the information that has been requested.

Sincerely,

Original Signed by
 K. R. Goller
 Karl R. Goller, Chief
 Light Water Reactors, Branch 1-3
 Directorate of Licensing

Enclosures:
 See Page 2

OFFICE >	L:LWR 1-3	L:LWR 1-3				
SURNAME >	TJHirons	KRGoller				
DATE >	2/ /74	2/ /74				

CB

K. R. ...
Original signed by

FEB 7 1974

Enclosures:

1. Request for Additional Information
2. Sample Technical Specification

cc w/encls:

Mr. W. J. Lindblad, Project Engineer
 Pacific Gas and Electric Company
 77 Beale Street
 San Francisco, California 94106

P. A. Crane, Jr., Esq.
 Pacific Gas and Electric Company
 245 Market Street
 San Francisco, California 94106

Westinghouse Electric Corporation
 ATTN: Mr. Joseph W. Dorrycott
 Project Manager, Diablo Canyon
 P. O. Box 355
 Pittsburgh, Pennsylvania 15230

OFFICE >						
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ENCLOSURE NO. 1

ADDITIONAL INFORMATION REQUIRED

IN CHAPTER 12 OF THE FSAR

12.4 Radioactive Materials Safety

12.4.1 Materials Safety Program

Describe the program which will be implemented to assure the safe storage, handling and use of sealed and unsealed special nuclear, source and byproduct materials. Other sections of the FSAR may be referenced to the degree they are applicable.

12.4.2 Facilities and Equipment

Describe the laboratory facilities and equipment such as hoods, glove boxes, filters, survey and measuring instruments, and monitoring devices. Other sections of the FSAR may be referenced to the degree they are applicable.

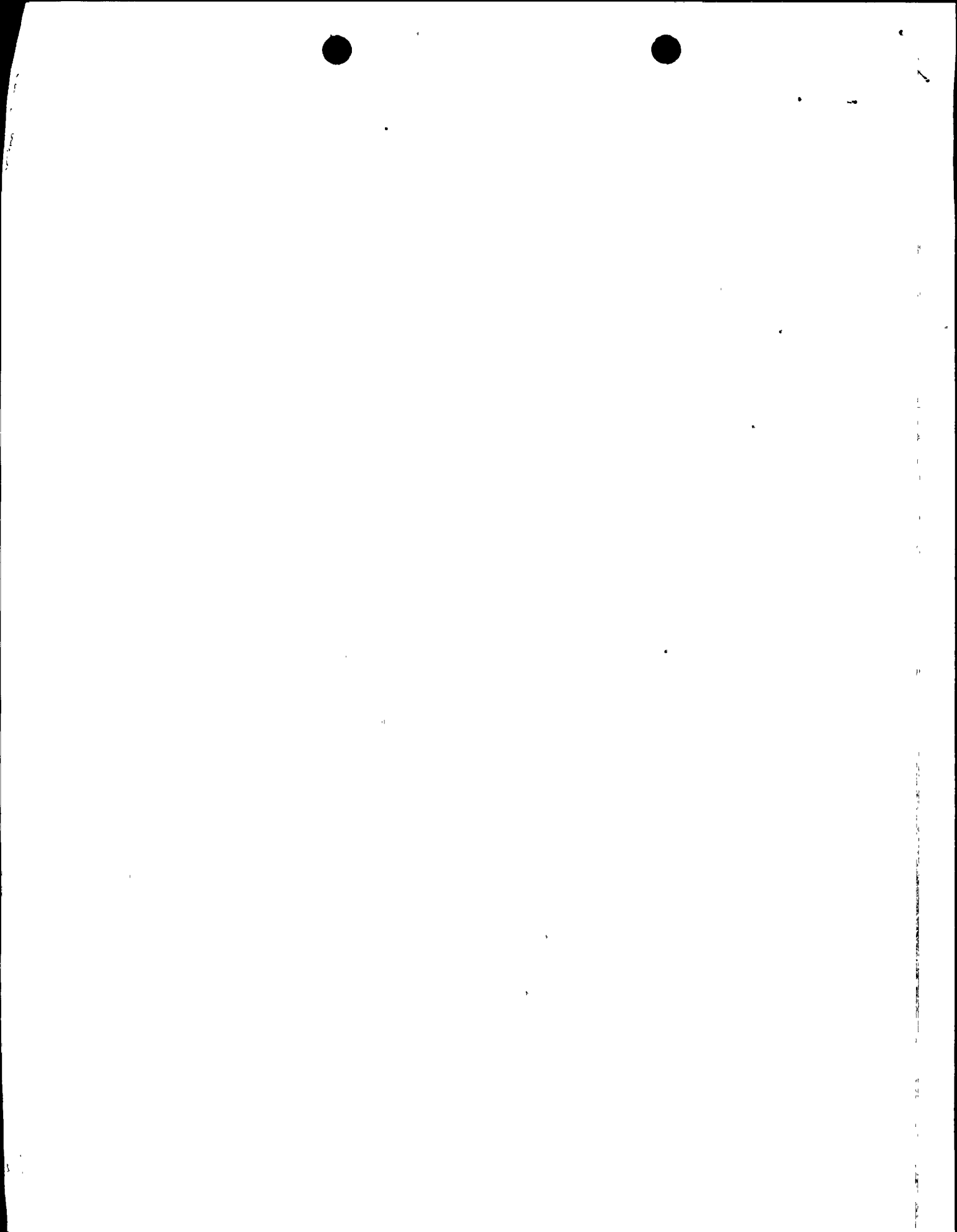
12.4.3 Personnel and Procedures

Describe the experience and qualifications of the key personnel responsible for handling and monitoring the materials. Identify and summarize the content of the radiation safety instructions to working personnel appropriate to the operations to be covered. Other sections of the FSAR may be referenced to the degree they are applicable.

12.4.4 Required Materials

Provide a listing of isotope, quantity, form and use for all required byproduct, source and special nuclear materials which exceed the following limits:

<u>Material</u>	<u>Form and Use</u>	<u>Possession Limit</u>
A. Any byproduct, source and special nuclear material	As reactor fuel; as sealed neutron sources for reactor start up; as sealed sources for reactor instrument and radiation monitoring equipment calibration; and as fission detectors	As required for reactor operation



Material

Form and Use

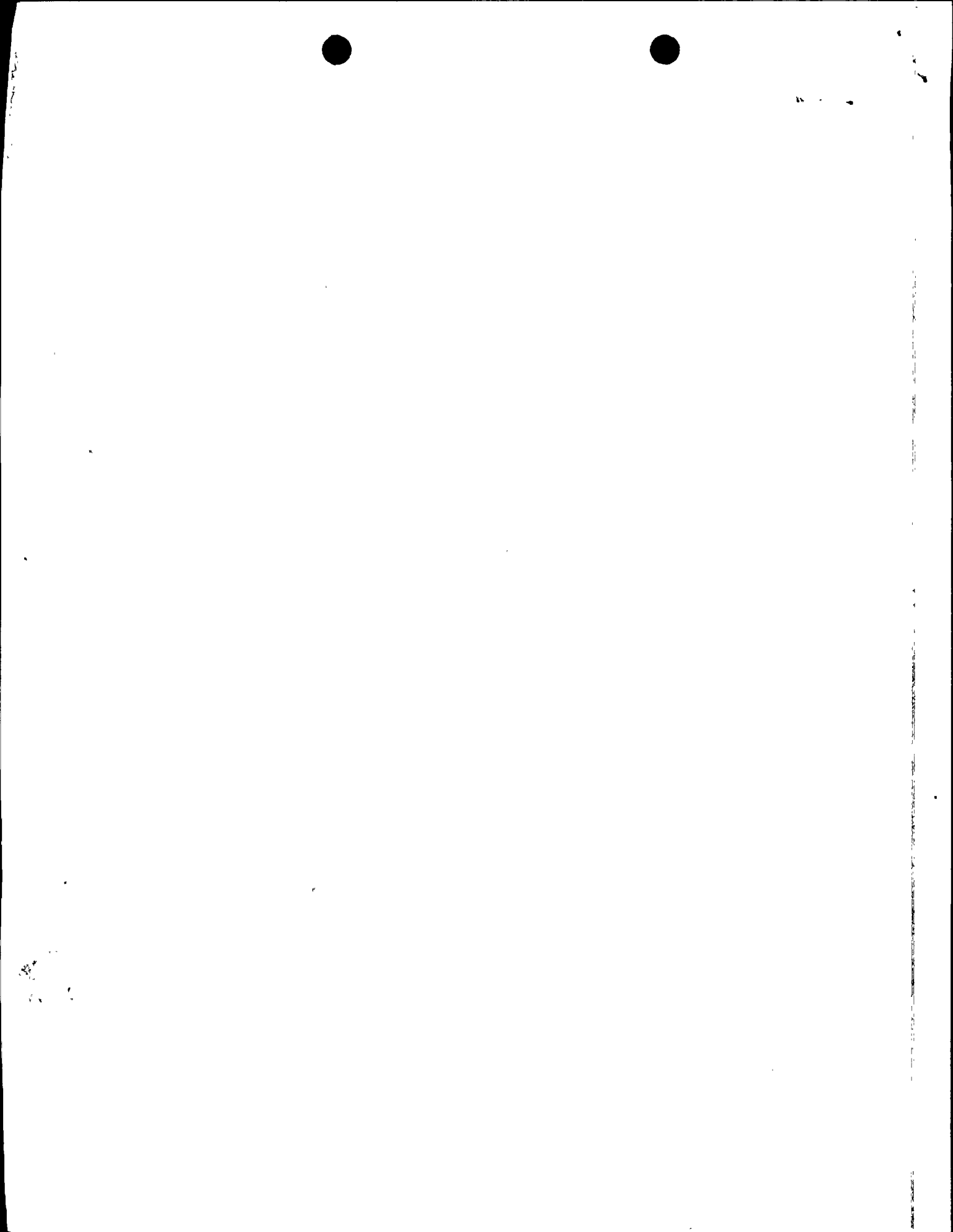
Possession
Limit

B. Any byproduct,
source or special
nuclear material

Any form for sample analysis or
instrument calibration

100 millicuries
each isotope;
any byproduct
material

100 milligrams
each isotope;
any source or
special nuclear
material



TECHNICAL SPECIFICATION ADDITION

ADDITIONAL SAFETY RELATED PLANT CAPABILITIES
(Or elsewhere, as appropriate, in Section 3)

MISCELLANEOUS RADIOACTIVE MATERIALS SOURCES

Source Leakage Test
Specification

The leakage test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie or more of removable contamination, it shall immediately be withdrawn from use, decontaminated, and repaired, or be disposed of in accordance with Commission regulations. Sealed sources are exempt from such leak tests when the source contains 100 microcuries or less of beta and/or gamma emitting material or 10 microcuries or less of alpha emitting material.

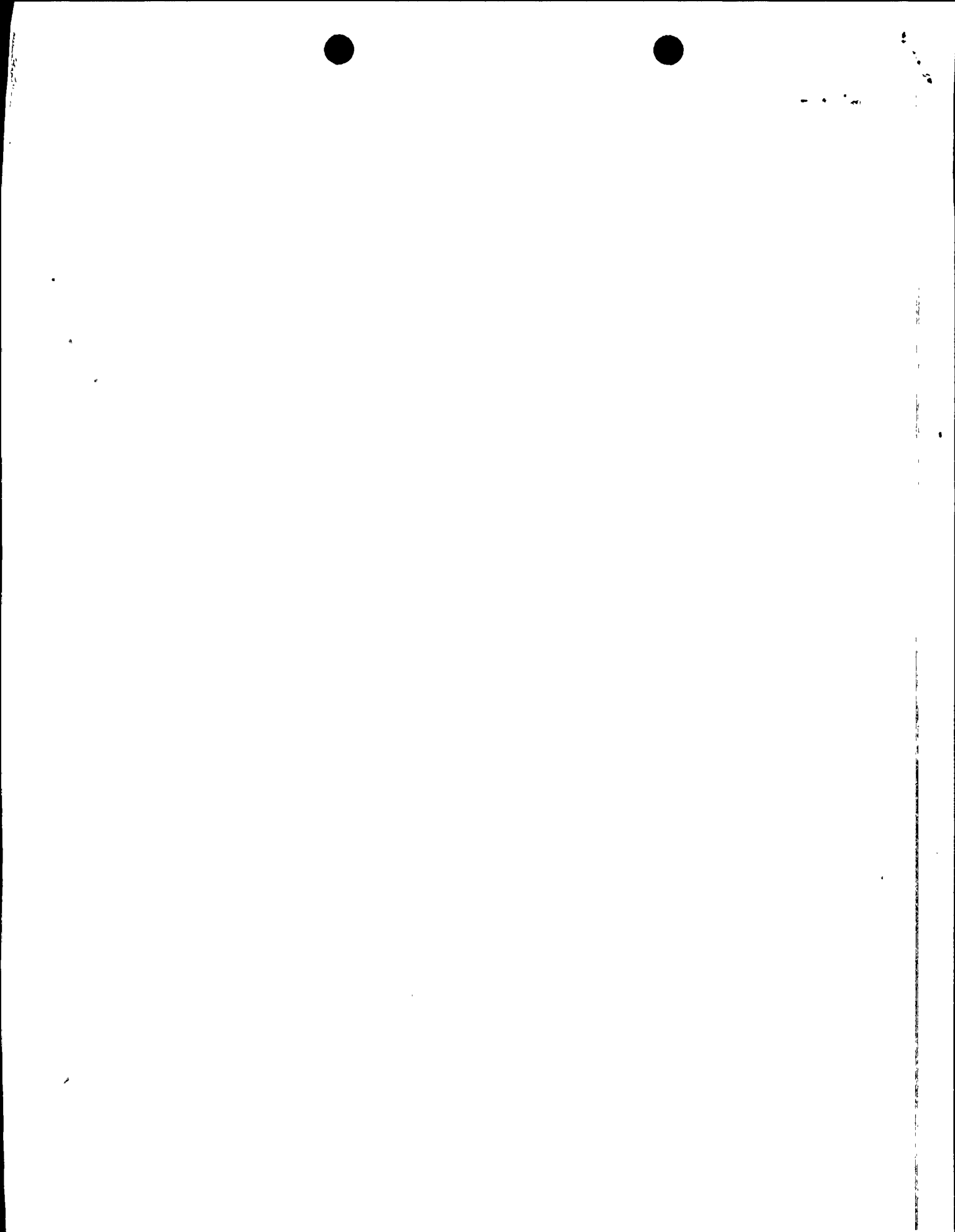
Surveillance Requirement

Tests for leakage and/or contamination shall be performed by the licensee or by other persons specifically authorized by the Commission or an agreement State, as follows:

1. Each sealed source, except startup sources subject to core flux, containing radioactive material, other than Hydrogen 3, with a half-life greater than thirty days and in any form other than gas shall be tested for leakage and/or contamination at intervals not to exceed six months.
2. The periodic leak test required does not apply to sealed sources that are stored and not being used. The sources excepted from this test shall be tested for leakage prior to any use or transfer to another user unless they have been leak tested within six months prior to the date of use or transfer. In the absence of a certificate from a transferor indicating that a test has been made within six months prior to the transfer, sealed sources shall not be put into use until tested.
3. Startup sources shall be leak tested prior to and following any repair or maintenance and before being subjected to core flux.

Bases

The objective of this specification is to assure that leakage from byproduct, source, and special nuclear radioactive material sources does not exceed allowable limits.



REPORTING REQUIREMENTSSEMI-ANNUAL OPERATING REPORTSOperations Summary

Results of required leak tests performed on sources if the tests reveal the presence of 0.005 microcurie or more of removable contamination

RECORDS RETENTION

A complete inventory of radioactive materials in possession shall be maintained current at all times.

Records required to be maintained for five years:

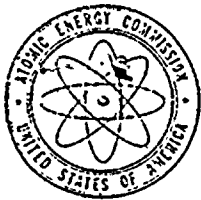
1. Test results, in units of microcuries, for leak tests performed pursuant to Specification _____.
2. Record of annual physical inventory verifying accountability of sources on record.

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UNITED STATES
ATOMIC ENERGY COMMISSION
WASHINGTON, D.C. 20545

Docket Nos. 50-275

and 50-323

JAN 22 1974

Pacific Gas and Electric Company
ATTN: Mr. Frederick T. Searls
Vice President and
General Counsel
77 Beale Street
San Francisco, California 94106

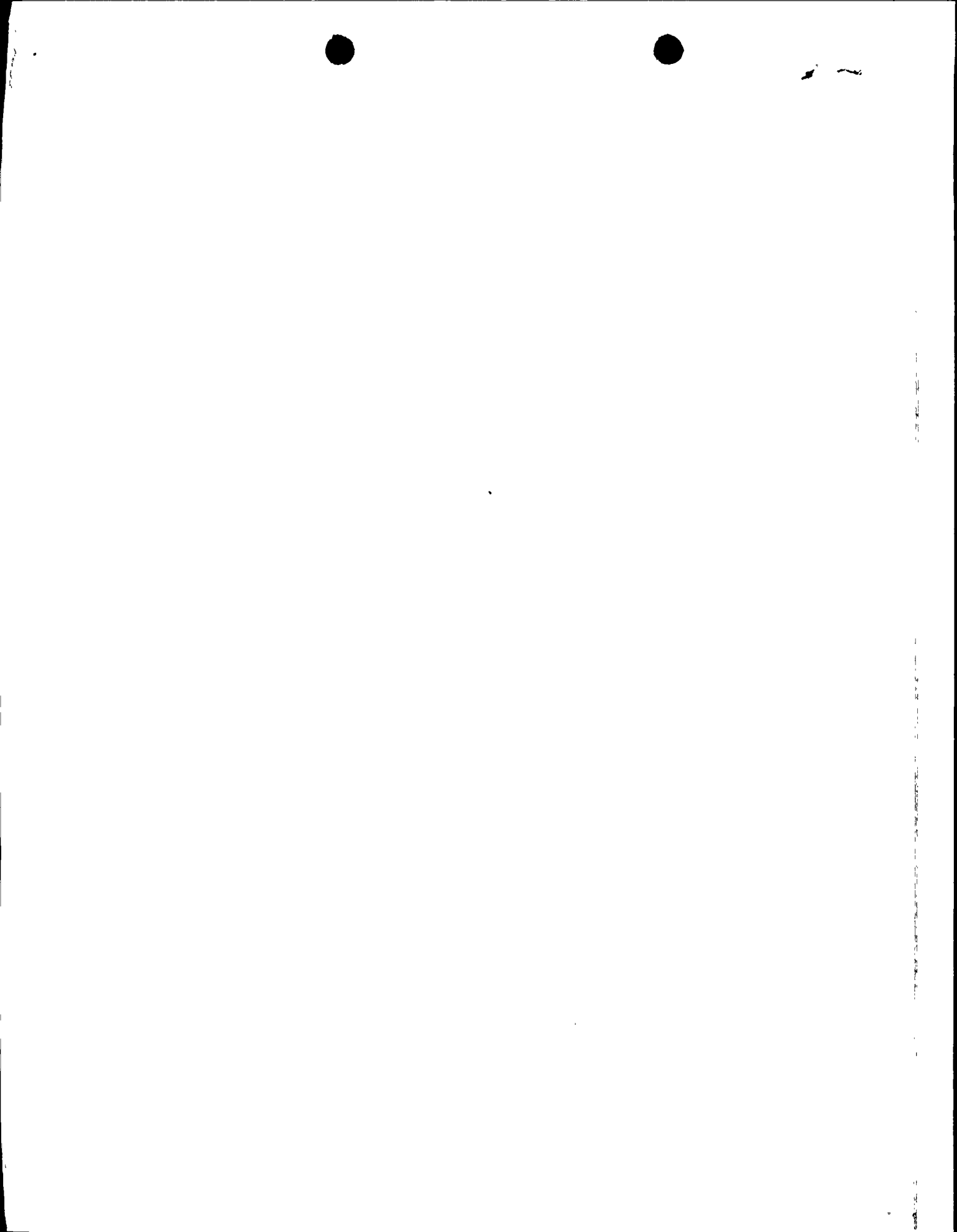
Gentlemen:

In a Commission Memorandum and Order dated December 7, 1973, concerning the LaSalle County Nuclear Station, Units 1 and 2, the Regulatory staff was directed to determine, for facilities under construction and for construction applications under review; if quality assurance personnel have sufficient authority and organizational freedom to perform their critical functions effectively and without reservation.

To make this determination, we require a full and complete response to the following information requests as applicable to your organization and to the organizations of your principal contractors (for example, A/E, NSSS, Constructor). Your response should be provided by February 15, 1974.

1. Identify and chart the organizational structure of individuals or groups performing QA related activities (checking, auditing, inspecting, or verifying that an activity has been correctly performed) in design, procurement, manufacturing, construction and testing. Describe their responsibility, authority (including stop work authority), and primary duties. Indicate from whom technical QA direction is received and from whom administrative control (salary review, hire/fire, position assignment) is exercised. Include communications and reporting paths between field QA personnel and corporate management.
2. Describe the authority, organizational freedom, and independence of personnel, performing QA functions, to identify quality problems; to initiate, recommend or provide solutions; and to verify implementation of solutions.

appd
LB



JAN 22 1974

Pacific Gas and Electric Company - 2 -

If this information is already contained in the hearing record or in your application, specify the page reference containing the information on which you rely for a response to this letter.

Please contact us if you have any questions regarding the information requested.

The information should be filed as an amendment to your application.

Sincerely,

Original Signed By
R. C. DeYoung

Richard C. DeYoung, Assistant Director
for Light Water Reactors Group 1
Directorate of Licensing

cc: Mr. Philip A. Crane, Jr.
Pacific Gas and Electric Company
77 Beale Street
San Francisco, California 94106

Mrs. Dale Perkins, Librarian
San Luis Obispo County Free
Library
1354 Bishop Street
San Luis Obispo, California 93401

* See Previous Yellow For Concurrence
Second Page Retyped

OFFICE	L:RP *	L:TR:QA	OGC <i>[Signature]</i>	LWR:RP		
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