



TITLE 'DISSEMINATION OF OPERATING EXPERIENCE

APPROVED _____
MANAGERSCOPE

This administrative procedure defines the requirements for dissemination of operating experience to plant operations, training, and technical staff personnel.

DISCUSSION

Dissemination of operating experience is an important part of the safety review program for nuclear power plants. As nuclear plants are operated within and outside the Company, equipment failures, operating and procedural errors, and unexpected transient responses may occur. There are valuable lessons to be learned from these occurrences, which must be fed back to improve systems, equipment, training, and procedures so that the same occurrences will not happen in the future and, more importantly, so that similar occurrences will not degrade to more serious consequences in the future. This feedback is the dissemination of operating experience. Although PG&E has been disseminating operating experience through its Plant Staff Review Committees of its Humboldt Bay and Diablo Canyon Power Plants, the TMI-related requirements demand that a more formal system be in place for each nuclear plant.

The nuclear industry has formed two organizations that are doing significant work in this area. The Institute of Nuclear Power Operations and the Nuclear Safety Analysis Center provide screening and in-depth analysis of events at nuclear plants and provide this information to utilities in a timely manner.

Dissemination of operating experience is a two-phase process:

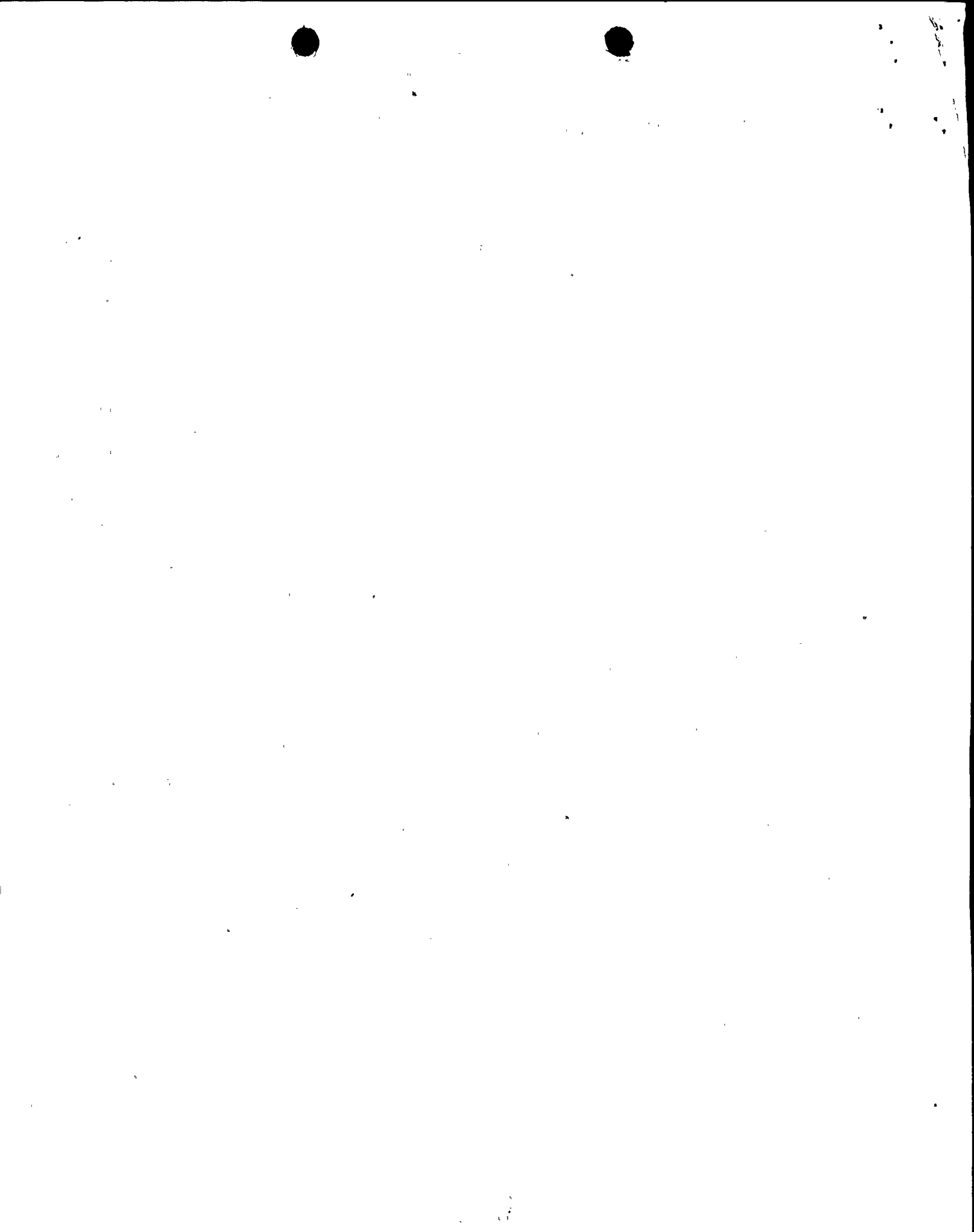
1. Reporting

Reporting includes discovering that an event has occurred, performing an in-depth analysis of the event and its potential consequences, and reporting the event clearly and concisely so that others in the Company, the nuclear industry, and the NRC can utilize the experience to avoid similar or more serious occurrences in the future.

2. Dissemination

Dissemination includes gathering and evaluating operating experience from inside and outside the Company, communicating it to all responsible parties, and following up to effect needed design, procedural, or training changes to prevent it from recurring.

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DEPARTMENT OF NUCLEAR PLANT OPERATIONS
NUCLEAR PLANT ADMINISTRATIVE PROCEDURE

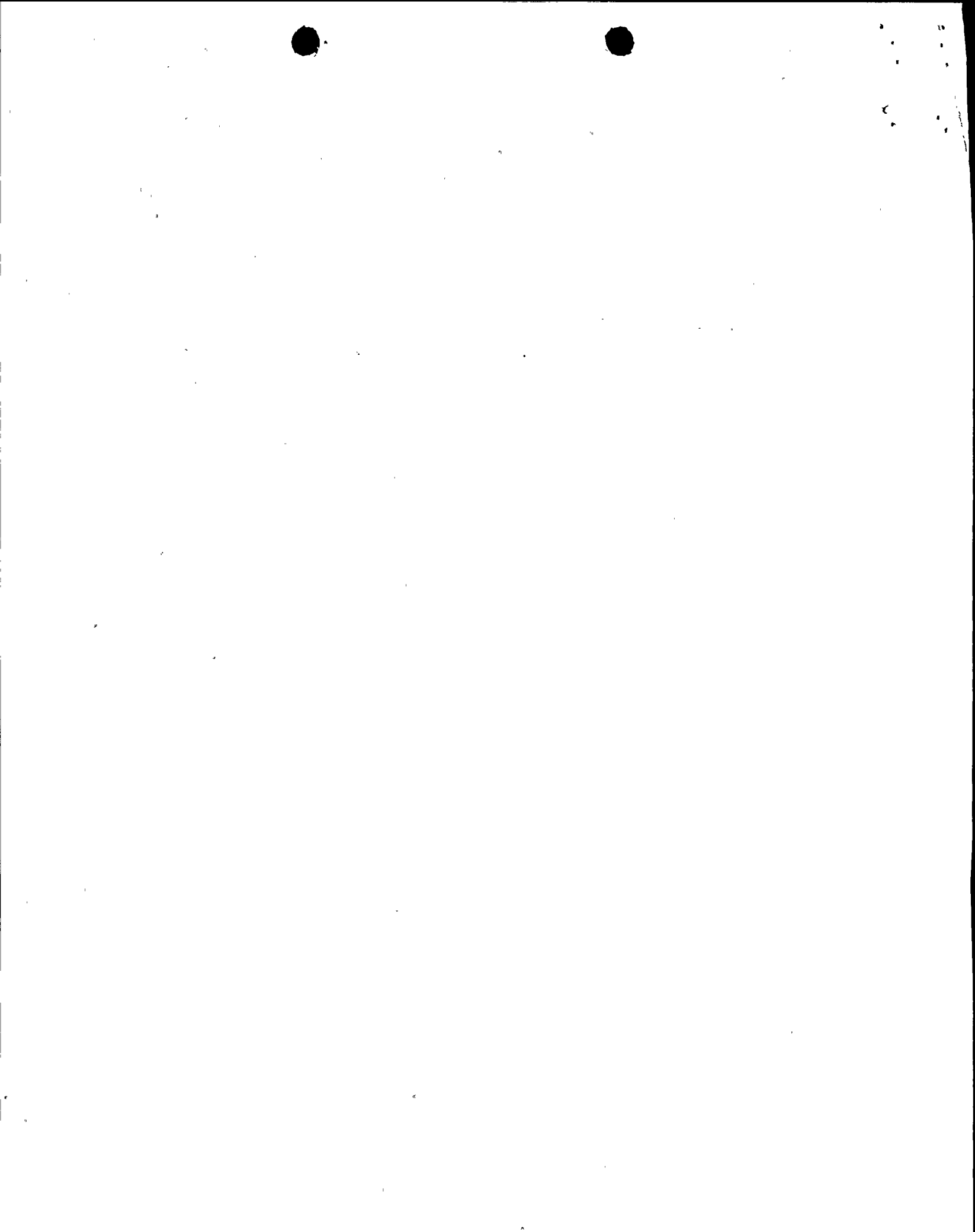
TITLE DISSEMINATION OF OPERATING EXPERIENCE

NUMBER W-100
REVISION 0
DATE 11/26/80
PAGE 2 OF 3

PROCEDURE

1. Reporting and Dissemination of PG&E Company Operating Experience
 - a. Off-normal events are identified, resolved, and reported to the NRC by the plant staff in accordance with Nuclear Plant Administrative Procedure C-12, "Resolution and Reporting of Plant Problems." In addition to the review and analysis of problems by the plant staff in accordance with Procedure C-12, problem reports shall be reviewed by the independent Onsite Safety Review Group.
 - b. Problems identified as nonconformances and any other problems of potential significance identified by the Onsite Safety Review Group shall be referred to the Senior Safety Review Engineer for evaluation, dissemination to Nuclear Plant Operations, Nuclear Projects, Engineering, and the nuclear industry.
 - c. The Senior Safety Review Engineer shall maintain close contact with knowledgeable personnel in Nuclear Plant Operations, Nuclear Projects, and Engineering to assure that appropriate expertise is applied in the analysis of plant problems.
2. Dissemination of Industry Operating Experience
 - a. The Senior Safety Review Engineer and his staff shall review industry operating experience and assure that significant events are promptly brought to the attention of the Supervising Nuclear Generation Engineer-Operations.
 - b. Reports of events of potential safety significance are available from several sources, all of which shall be utilized by the Senior Safety Review Engineer to assure, to the maximum extent possible, that operating experience throughout the industry is evaluated.
 - 1) The Senior Safety Review Engineer and his staff shall utilize the Significant Event Evaluation - Information Network (SEE-IN) to identify events of significance reported by licensees throughout the country to the NRC. Each SEE-IN significant event shall be evaluated for applicability to PG&E nuclear plants. The Senior Safety Review Engineer shall be the primary interface with INPO and NSAC to assure that he is cognizant of all industry efforts in the area of plant safety.
 - 2) The Senior Safety Review Engineer and his staff shall review and analyze NRC I&E bulletins, notices, and circulars for applicability to PG&E nuclear plants.
 - 3) The Senior Safety Review Engineer and his staff shall evaluate vendor information notices and bulletins for applicability to PG&E nuclear plants.

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DEPARTMENT OF NUCLEAR PLANT OPERATIONS
NUCLEAR PLANT ADMINISTRATIVE PROCEDURE

TITLE DISSEMINATION OF OPERATING EXPERIENCE

NUMBER W-100
REVISION 0
DATE 11/26/80
PAGE 3 OF 3

- 4) The Senior Safety Review Engineer and his staff shall review Licensee Event Reports from several "sister" plants as a check on the SEE-IN program and to provide a more detailed view of minor problem occurrences at plants of similar design.
- c. When an industry event is determined to have potential safety significance for a PG&E nuclear plant, the Senior Safety Review Engineer shall initiate a Safety Review Action Request identifying the problem and recommending corrective action to prevent or mitigate the consequences of the event at PG&E nuclear plants. This corrective action may take the form of a change in design, procedures, training, or some combination thereof.
- d. The Onsite Safety Review Group shall receive copies of all Safety Review Action Requests. The Onsite Safety Review Group shall provide feedback to the Senior Safety Review Engineer regarding the status of Safety Review Action Requests in progress at the site.
- e. The Plant Manager is responsible for review, approval, and implementation of any corrective action to prevent or mitigate the consequences of events identified by the Senior Safety Review Engineer.

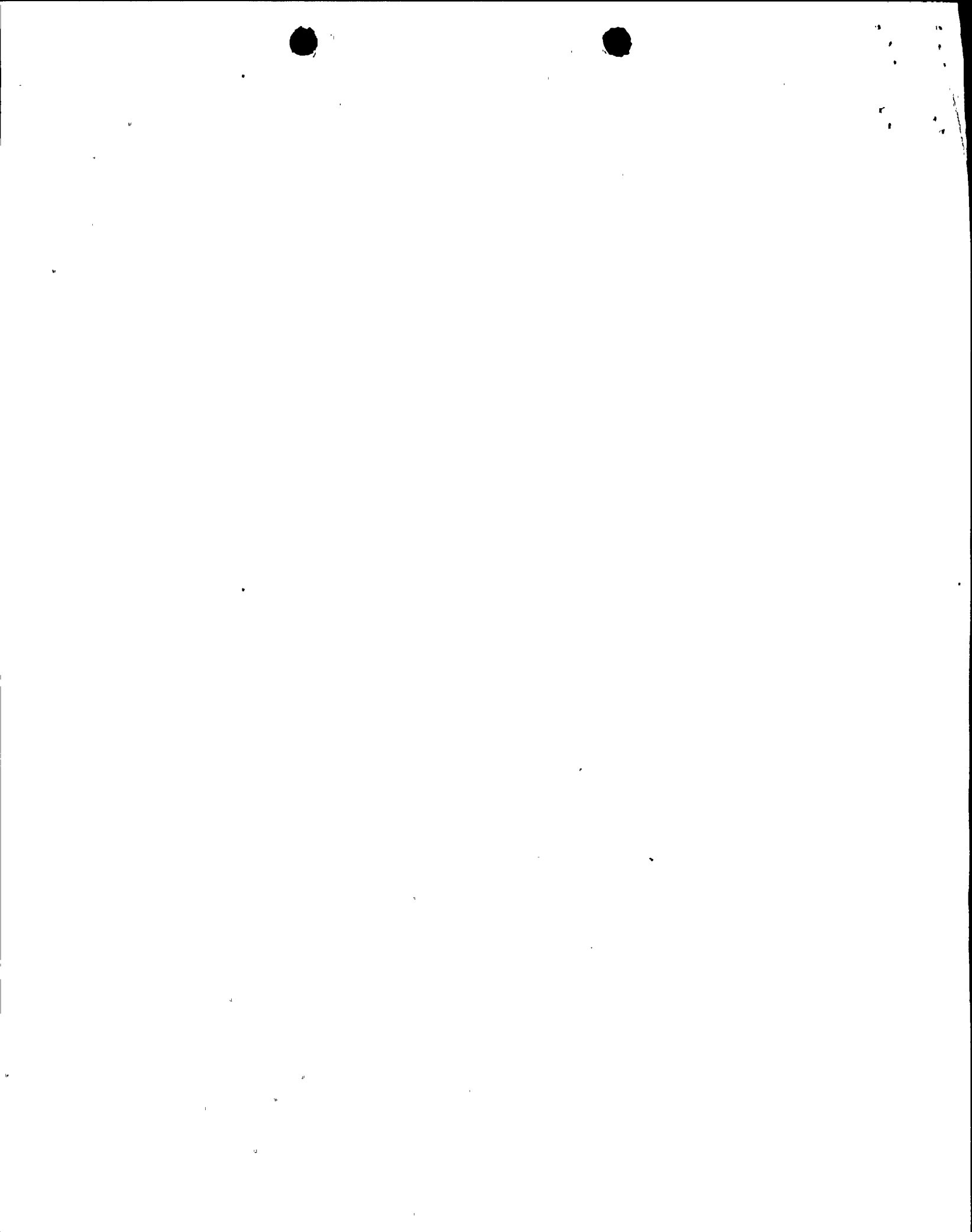
3. Documentation

- a. The Senior Safety Review Engineer and his staff shall assure evaluation of each event reported to PG&E and maintain records of that evaluation. Events are reported from PG&E Company Operating Experience and Industry Operating Experience in accordance with steps 1 and 2 of this procedure.
- b. Records shall indicate the status of the evaluation of the event and the status of any recommended corrective action to prevent or mitigate the consequences of the event.
- c. Records shall be accessible to personnel at the General Office and the plant, easily updated, and retrievable.
- d. Any one event may be reported to the Senior Safety Review Engineer by several different sources. Each event shall be identified as a single record only with reference to the various reporting sources.

4. Periodic Audit

- a. The Senior Safety Review Engineer and his staff will perform annual audits to assure that appropriate events are being identified and evaluated and that appropriate corrective actions are implemented in a timely manner.
- b. Audits will review the dissemination process at all levels of the Nuclear Plant Operations Department.
- c. Results of these audits will be presented to the Manager, Nuclear Plant Operations, for review and implementation of necessary corrective actions.

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ATTACHMENT II

Vendor Review of Special Low Power Test Procedures (I.C.7)



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Westinghouse
Electric Corporation

Water Reactor
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Box 355
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Mr. D. V. Kelly
Chief Mechanical Engineer
PACIFIC GAS AND ELECTRIC COMPANY
77 Beale Street
San Francisco, California 94106

NOVEMBER 26, 1980

PGE-4275

S.O. PGE-1000

Ref: Project Letter
PGE-4241 Dated
8/28/80

Dear Mr. Kelly:

PACIFIC GAS AND ELECTRIC COMPANY
NUCLEAR PLANT, DIABLO CANYON SITE
SPECIAL LOW POWER TEST PROCEDURES

Westinghouse has reviewed the PG&E Special Low Power Test Procedures 44.1, 44.2 and 44.3, and approves them for use for the Diablo Canyon Unit 1 Special Low Power Tests. This review has incorporated our experience from the North Anna Unit 2, Sequoyah Unit 1 and Salem Unit 2 Special Low Power Test Programs. The particular revision of the procedures reviewed and approved by Westinghouse are identified as follows:

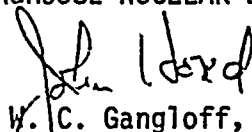
<u>PG&E Test Procedure No.</u>	<u>Revision</u>	<u>Date</u>
44.1	Approved By M. N. Norem (PG&E) R. Patterson (PG&E)	10/10/80 10/8/80
44.2	Approved By M. N. Norem (PG&E) R. Patterson (PG&E)	10/7/80 10/7/80
44.3	Approved By M. N. Norem (PG&E) R. Patterson (PG&E)	10/10/80 10/8/80

These Test Procedures correspond to Tests 1-7 identified in Section I.G of Supplement No. 10 to the Diablo Canyon Safety Evaluation Report (NUREG-0675).

In addition, the PG&E Final Safety Evaluation Report (SER) for Diablo Canyon I Special Low Power Tests dated October 1980 has been reviewed and approved by Westinghouse. This October 1980 revision of the SER reflects the data transmitted to PG&E by the referenced letter and the experience gained from the North Anna Unit 2, Sequoyah Unit 1 and Salem Unit 2 Special Low Power Test Programs.

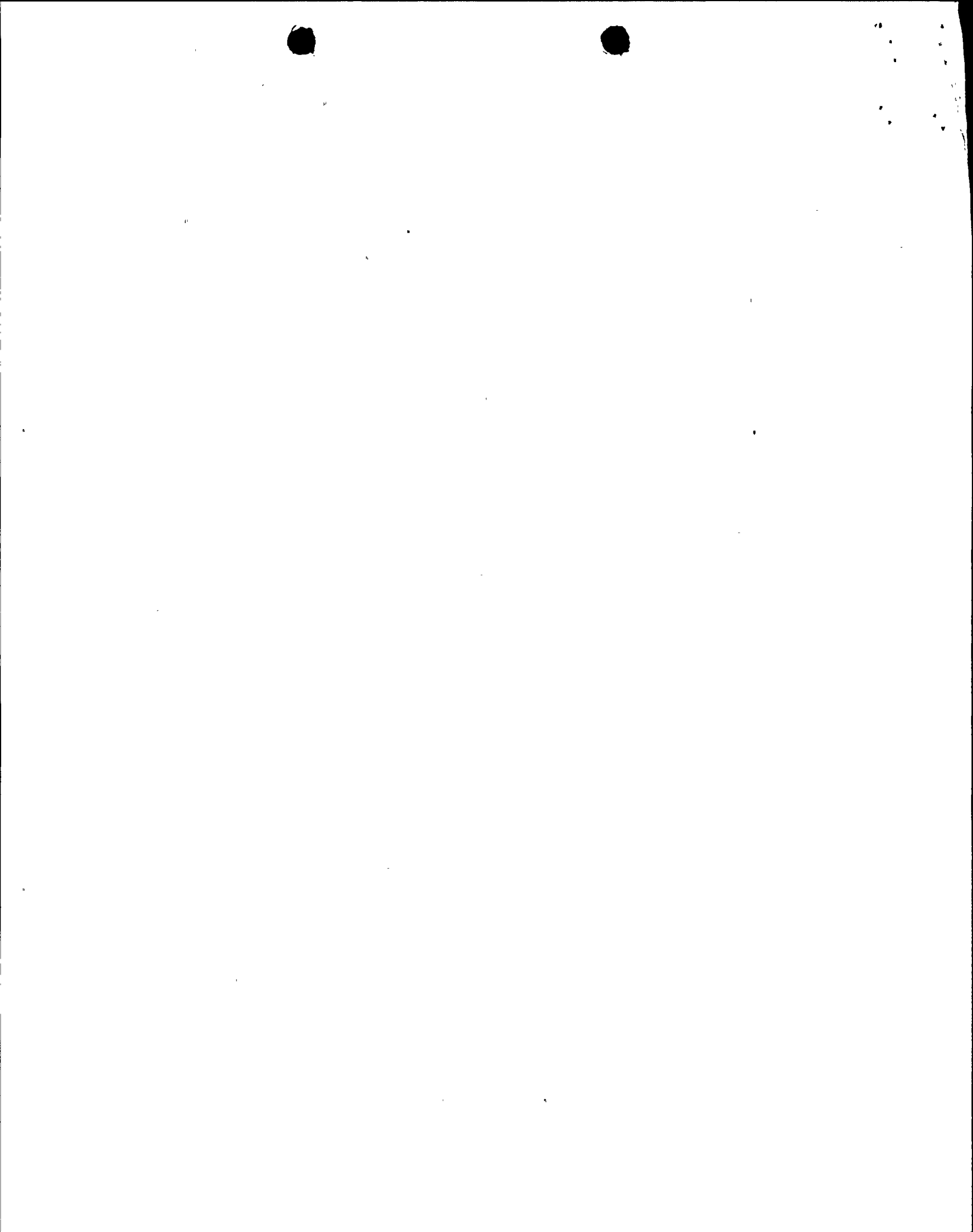
Very truly yours,

WESTINGHOUSE NUCLEAR ENERGY SYSTEMS

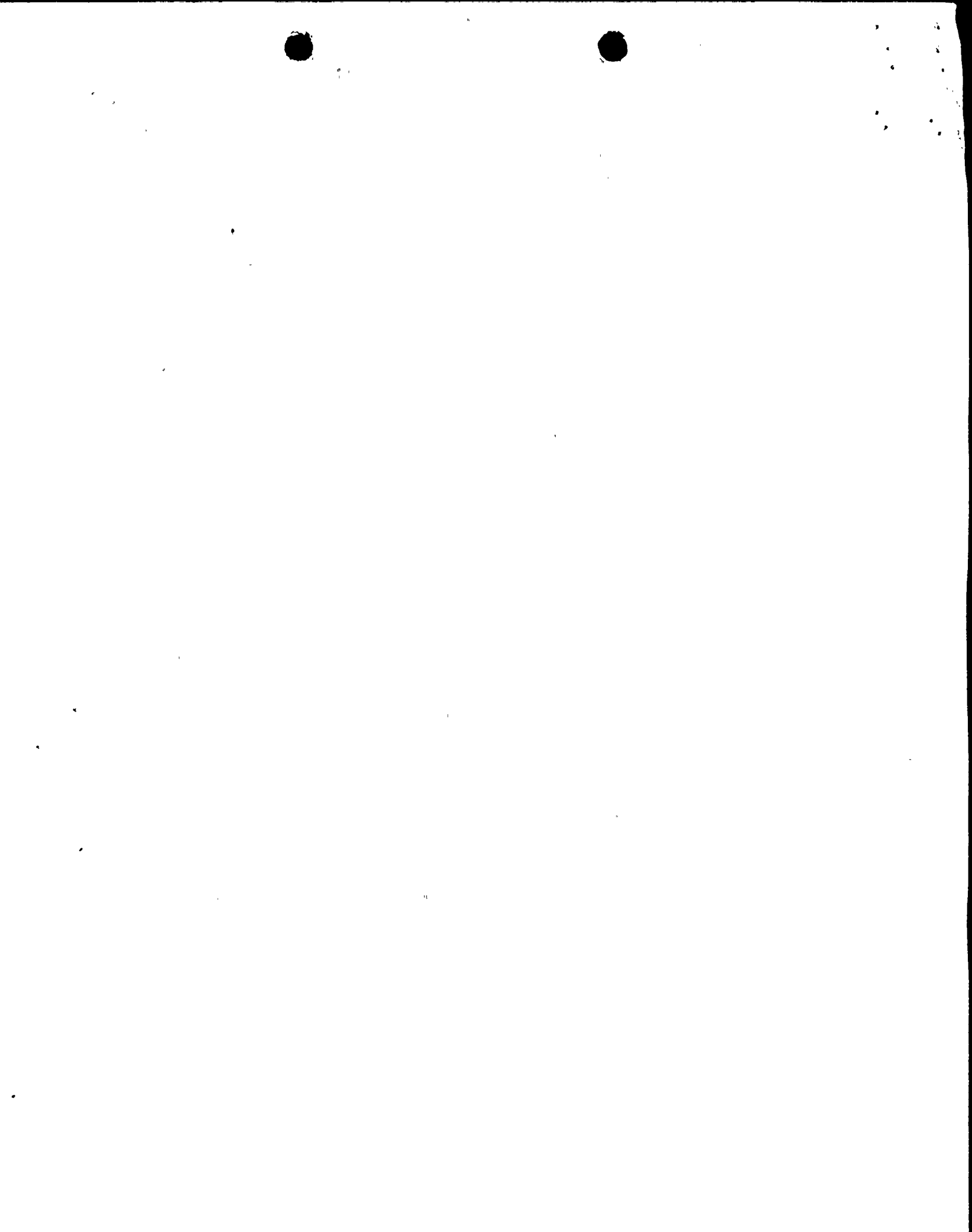

W. C. Gangloff, Manager

Pacific Gas and Electric Project

JEH/bms



cc: D. V. Kelly (PG&E) 6L
B. S. Lew (PG&E) 7L
M. N. Norem (PG&E-Diablo Canyon Site) 7L
J. E. Murphy (W-San Francisco Office) 7L



ATTACHMENT III

Special Low Power Test Program Safety Analysis Report (I.G.1)

