



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

DATE CHANGE

JAN 28 1982

Docket Nos.: 50-275

MEMORANDUM FOR: F. J. Miraglia, Chief, Licensing Branch No. 3, DL

FROM: H. E. Schierling, Project Manager, Licensing Branch No. 3, DL

SUBJECT: RENOTIFICATION OF MEETING WITH PACIFIC GAS & ELECTRIC
COMPANY - DIABLO CANYON, UNIT 1, REGARDING PG&E SUBMITTAL
DATED DECEMBER 4, 1981*

DATE & TIME: Wednesday, February 3, 1982
9:00 a.m. - 4:00 p.m.

LOCATION: Room P-118
Phillips Building
Bethesda, Md.

PURPOSE: To discuss issues based on staff review of PG&E submittal
of December 4, 1981 as listed in attachment and the
concerns identified in a letter of M. Furbush, PG&E
from D. Eisenhut, NRC dated January 28, 1982.

PARTICIPANTS: NRC PG&E
H. Denton G. Maneatis
R. DeYoung D. Brand, et.al.
D. Eisenhut PG&E Consultants
R. Vollmer
E. Jordan
R. Tedesco
F. Miraglia
H. Schierling
Region V

Frank J. Miraglia
for Hans E. Schierling, Project Manager
Licensing Branch No. 3
Division of Licensing

cc: See next page.

*This meeting was originally noticed on January 8, 1982 and scheduled
for January 19, 1982.

Dupe of
~~82-211-1364~~ NOTE DATE CHANGE

Mr. Malcolm H. Furbush
Vice President - General Counsel
Pacific Gas & Electric Company
P.O. Box 7442
San Francisco, California 94120

cc: Philip A. Crane, Jr., Esq.
Pacific Gas & Electric Company
P.O. Box 7442
San Francisco, California 94120

Janice E. Kerr, Esq.
California Public Utilities Commission
350 McAllister Street
San Francisco, California 94102

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

Ms. Elizabeth Apfelberg
1415 Cozadero
San Luis Obispo, California 93401

Mr. Gordon A. Silver
Ms. Sandra A. Silver
1760 Alisal Street
San Luis Obispo, California 93401

Harry M. Willis, Esq.
Seymour & Willis
601 California Street, Suite 2100
San Francisco, California 94108

Mr. Richard Hubbard
MHB Technical Associates
Suite K
1723 Hamilton Avenue
San Jose, California 95125

Mr. John Marrs, Managing Editor
San Luis Obispo County Telegram-Tribune
1321 Johnson Avenue
P. O. Box 112
San Luis Obispo, California 93406

cc: Resident Inspector/Diablo Canyon NPS
c/o U. S. Nuclear Regulatory Commission
P. O. Box 369
Avila Beach, California 93424

Ms. Raye Fleming
1920 Mattie Road
Shell Beach, California 93440

John R. Phillips, Esq.
Simon Klevansky, Esq.
Margaret Blodgett, Esq.
Marion P. Johnston, Esq.
Joel Reynolds, Esq.
Center for Law in the Public Interest
10203 Santa Monica Boulevard
Los Angeles, California 90067

Paul C. Valentine, Esq.
321 Lytton Avenue
Palo Alto, California 94302

Mr. Byron S. Georgiov
Legal Affairs Secretary
Governor's Office
State Capitol
Sacramento, California 95814

Herbert H. Brown, Esq.
Hill, Christopher & Phillips, P.C.
1900 M Street, N.W.
Washington, D.C. 20036

Mr. Richard E. Blankenburg, Co-Publisher
Mr. Wayne A. Soroyan, News Reporter
South County Publishing Company
P. O. Box 460
Arroyo Grande, California 93420

Mr. James O. Schuyler
Vice President - Nuclear Generation Department
Pacific Gas & Electric Company
P.O. Box 7442
San Francisco, California 94120

Bruce Norton, Esq.
Suite 202
3216 North 3rd Street
Phoenix, Arizona 85012

Mr. Malcolm H. Furbush

- 3 -

Mr. W. C. Gangloff
Westinghouse Electric Corporation
P. O. Box 355
Pittsburgh, Pennsylvania 15230

David F. Fleischaker, Esq.
P. O. Box 1178
Oklahoma City, Oklahoma 73101

Attachment

Agenda Items
Meeting with PG&E
January 19, 1982
Seismic Reverification Program

- I. Scope and Technical Aspects of Plan
- II. Sample Criteria
- III. Benchmarking of Results
- IV. QA Audit Methods
- V. Size and Technical Qualifications of Review Team
- VI. Contractual and Financial Qualifications
of Review Team

I. Scope and Technical Aspects of Plan

1. Basis for selection of building(s) and structure(s) for seismic requalification
2. Models for piping problems, including isometric drawings based on "as built" conditions
3. Verification of input and seismic loads, for piping and support analysis
4. Verification of design specifications, design reports and design documents with respect to "as built" conditions
5. Acceptance and rejection criteria for piping and supports
6. Supports for large components (tanks, heat exchanger, pumps, vessels)
7. Application of Reg. Guide 1.100 (Seismic Qualification of Electric Equipment for Nuclear Power Plants) to conduit and cable tray supports, and equipment
8. Adequacy of seismic input for equipment qualification, interpretation of vertical ground motion, effects of torsion and building response characteristics
9. Equipment procurement and qualification process (contractual obligations, modifications to account for Hosgri earthquake, commitments made during licensing activities)
10. Procedure and basis for determining errors in seismic qualifications
11. Independent development of dynamic model for auxiliary building
12. Criteria for acceptance of fundamental mode frequency, mode shapes and selective floor response spectra
13. Seismic reverification of buried tank and outdoor water storage tank
14. Independent field verification prior to requalification; consideration of IE Bulletin 79-14 in independent field verification

15. Seismic service contract activities within program scope
16. Details for analysis of PG&E internal interfaces
17. Definitions for (a) significant deficiency or error and (b) insignificant deficiency or error
18. Guidelines for determining appropriateness of design methods considering change in "state of the art" technology

II. Sample Criteria

1. Criteria for selection of sample calculation and for expansion of sample size if needed
2. Statistical basis for sample size and procedure in case of failure
3. Equipment sample from safe shutdown and cooldown systems
4. Adequacy of design process and quality assurance; reporting on basis of sample cases
5. Criteria for sample checks and independent calculations
6. Application of current evaluation techniques to independent sample calculations in analysis of structures and components.

III. Benchmarking of Results

1. Benchmarking to NRC problems, of computer code for piping analysis

IV. QA Audit Methods

1. Reporting procedure for R. F. Reedy to R. L. Cloud and PG&E
2. Scope of QA review (procurement documentation control; instructions, procedures and drawings; document control; auditing)
3. Review of operational QA program (post 1978) with respect to implementation of corrective actions
4. Consideration of applicable QA criteria (10 CFR 50 App. B)

V. Size and Technical Qualifications of Review Team

1. Identification and qualifications of individuals performing QA review
2. Expertise of individuals in civil-structural design and analysis
3. Expertise in seismic analysis of structures
4. Assignment of individuals with appropriate expertise to specific tasks

VI. Contractual and Financial Qualifications of Review Team

1. Previous involvement of companies and individuals in Diablo Canyon activities now under their independent review scope.
2. Previous involvement of companies or individuals in Diablo Canyon Seismic design work
3. Previous employment by PG&E of individuals now participating in independent review
4. Ownership or control of PG&E stock by individuals participating in independent review
5. Employment by PG&E of relatives or members of present household of individuals participating in review, and position if appropriate.

MEETING NOTICE DISTRIBUTION

Docket File 50-275
NRC PDR
Local PDR
NSIC
TERA
LB#3 Files

E. Case
D. Eisenhower
R. Purple
R. Tedesco
B. J. Youngblood
A. Schwencer
F. Miraglia
E. Adensam
J. Miller
G. Lainas
T. Ippolito
B. Russell
D. Crutchfield
T. Novak
S. Varga
D. Vassallo
R. Clark
J. Stolz
R. Vollmer
J. Knight
R. Bosnak
F. Schauer
R. Jackson
G. Lear

Attorney, OELD
OIE (3)
ACRS (16)
OSD (7)

J. LeDoux, I&E
B. Grimes, I&E
M. Williams, DL
W. Johnston
S. Pawlicki
V. Benaroya
Z. Rosztoczy
W. Haass
D. Muller
R. Ballard
W. Regan
A. Toalston

I&E Region I
I&E Region II
I&E Region III
I&E Region IV
I&E Region V

NRC Participants

H. Denton
R. DeYoung
D. Eisenhower
RVollmer
E. Jordan
R. Tedesco
FMiraglia
H. Schierling
RV
R. Mattson
T. Speis
M. Srinivasan
O. Parr
F. Rosa
B. Sheron, Acting
L. G. Hulman
R. Houston
W. Gammill
F. Congel
L. Rubenstein
W. Butler
C. Berlinger
F. Schroeder
K. Kniel
D. Skovholt
G. Knighton
M. Ernst
A. Thadani
W. Minners
S. Hanauer
H. Thompson
D. Vassallo
P. Collins
D. Ziemann
V. Moore

Regional Administrator R. H. Engelken
bcc: Applicant Service List

Branch LB#3
Project Manager H. Schierling
Licensing Assistant J. Lee

