



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION IV
612 EAST LAMAR BLVD, SUITE 400
ARLINGTON, TEXAS 76011-4125

September 27, 2010

John T. Conway
Site Vice President and Chief Nuclear Officer
Pacific Gas and Electric Company
P.O. Box 3
Mail Code 104/6/601
Avila Beach, California 93424

SUBJECT: MEETING SUMMARY FOR THE LICENSING BASIS VERIFICATION PROJECT
PUBLIC MEETING ON SEPTEMBER 22, 2010, FOR DIABLO CANYON
POWER PLANT

Dear Mr. Conway:

This refers to the public meeting conducted at the Embassy Suites Hotel in San Luis Obispo, California, on September 22, 2010. During the meeting, Pacific Gas and Electric Company personnel discussed their project for verification of the Diablo Canyon Power Plant licensing bases with the NRC and members of the public. The list of the public meeting attendees and a copy of the presentation delivered by Pacific Gas and Electric Company are included as Enclosures 1 and 2.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosures will be available electronically for public inspection in the NRC's Public Document Room or from the Publicly Available Records (PARS) component of the NRC's Agencywide Documents Access and Management System (ADAMS). ADAMS is accessible from the NRC web site at <http://www.nrc.gov/reading-rm/adams.html> (The Public Electronic Reading Room).

Sincerely,

/RA/

Geoffrey Miller
Chief, Project Branch B
Division of Reactor Projects

Dockets: 50-275; 50-323
Licenses: DPR-80; DPR-82

Enclosures:

1. Public Meeting Attendance List
2. PG&E Presentation Slides

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- OEDO RIV Coordinator, (Margie.Kotzales@nrc.gov)
- ROPreports

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Publicly Avail	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Sensitive	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Sens. Type Initials	NJM
RIV/PE:DRP/B	PAO	RSLO	C:DRP/B		
NJMakris	VLDricks	WAMaier	GBMiller		
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NUCLEAR REGULATORY COMMISSION

MEETING WITH PACIFIC GAS & ELECTRIC COMPANY

ATTENDANCE SHEET

Licensee/Facility	Pacific Gas & Electric Company Diablo Canyon Power Plant		
Date/Time	September 22, 2010 7:00 p.m.		
Location	Embassy Suites Hotel San Luis Obispo, CA 93405		
Name (please print)	Organization	Phone	Email
Don Malone	Independent		
Larry Parker	PG&E		
James Lucille	resident		
TARO RINZUM	Sciencetech		
Shinga Tsamura	INPO		
Jane Lew	Cal Poly		
Linda Seelen	Methods for Peace		
ANDERSON LINDA	PG&E		
KORY RAFFERY	PG&E		
Juanita Diamondon	JAD Resource Svcs		
Kindsay Fowler	self		
Stygle Kaki	PG&E		
Tyson Smith	Winston S. Strawn		
Nancy Norwood	Methods for Peace		
Paul Demas	PG&E		
RENZI MERTOGUL	PG&E		

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Location	Embassy Suites Hotel San Luis Obispo, CA 93405		
Name (please print)	Organization	Phone	Email
Justin Whitaley	resident		
Yukihiko KIKIMOTO	CPREPI		
Kazuhiro Kikioaka	JQPC		
Howard Arnold			
Brandy Sizemore			
John Conway	PG&E		
Shils Teric	PG&E		
Adrienne Moore	PG&E		
Tim Greenerson	PG&E		
Jennifer Post	PG&E		
Elaine Holder	program for PG&E		

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Name (please print)	Organization	Phone	Email

CATHIE LYON	PG&E		
William T. Butler	Citizen		
Igor Vassiliev	Citizen		
Kazuyuki Matsumoto	Japan Nuclear Regulatory		
Trish Sweeney	STANUS		
Jane Swenson	SLOMFP		
Greg Heggli	AGE		
DONALD T. ESCERU	NONG		
Jeg Oppeltung	Markus for Peace		
Jude Egan	LSU		
John Shorley	POPE		
Jack Shalders	U		
Ronald Lovell	"		
Juane Cochran	MFP		
Hans Reschner	seater Blakerke		
ADAM JAHANKYAN	PGE		



Public Meeting Diablo Canyon Power Plant

September 22, 2010



Agenda

- Introduction
- Overview – Licensing Basis Verification Project (LBVP)
- LBVP Details
- Evaluation Thoroughness Actions
- Summary



Introduction

- LBVP Commitment
- LBVP Key Aspects
 - Benchmarking
 - Independence
 - Thoroughness
- Related Actions
- Evaluation Thoroughness



Diablo Canyon Power Plant Licensing Basis Verification Project



Project Overview

- The Licensing Basis Verification Project (LBVP) will improve DCPD performance by:
 - Identifying, consolidating, and reconciling any inconsistencies in the DCPD Current Licensing Basis (CLB)
 - Providing enhanced licensing basis and full-text search tools to support future evaluation thoroughness
- The LBVP will perform a review and evaluation of licensing, design, and analysis changes from the Original Final Safety Analysis Report (FSAR - Amendment 85) to the present

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Project Summary

- Identify, consolidate, and reconcile any inconsistencies in the DCPD Current Licensing Basis (CLB) documents
- Perform a review modeled after Component Design Basis Reviews (CDBRs) for eight risk-significant systems after the corresponding system licensing basis is verified
- Reconcile any identified inconsistencies in the CLB searchable document databases
- Enhance the full-text searching capabilities for the CLB searchable document databases
- Validate the implementation of the FSAR into plant documents (e.g., operating and surveillance test procedures)

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Project Benefits

DCCP Benefits

- Enhanced clarity of the DCCP CLB including the FSAR
- Enhancements in the content of the CLB electronic document databases and associated full-text search capabilities
- Enhanced ability to maintain and use the CLB

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Project Scope

Phase I (95% Complete)

- Reviewed and evaluated the Component Cooling Water (CCW) and Auxiliary Feed Water (AFW) Systems
- Reviewed CLB databases, identified specific improvements, and defined the desired capabilities of an improved full-text search tool
- Performed the following:
 - Reviewed the balance of the Safety Evaluation Reports (SERs), Supplemental Safety Evaluation Reports (SSERs), License Amendment Safety Evaluations, and all incoming/outgoing NRC correspondence, etc. for CCW and AFW systems
 - Identified and reviewed the 10 CFR 50.59 Screens for calculations, surveillance test procedures (STPs), Emergency Operating Procedures (EOPs), Design Criteria Memoranda (DCM), Technical Specification Bases, Equipment Control Guidelines (ECGs) and modifications and all 10 CFR 50.59 Evaluations
- Provided a preliminary report out to PG&E Management of the Phase I findings and recommendations on September 17, 2010

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Project Scope (continued)

Phase II (In Progress)

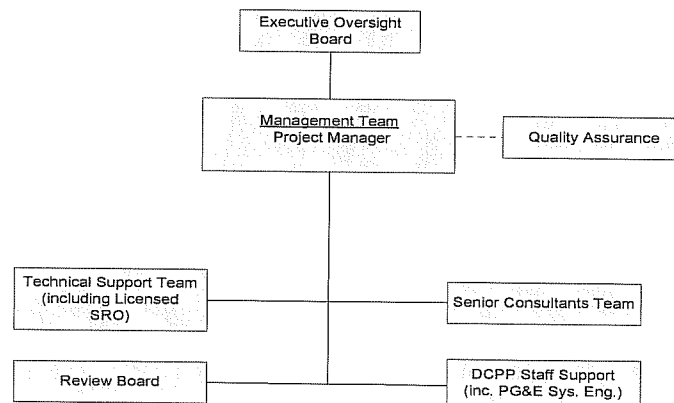
- Implement Phase I recommendations (including any outstanding actions from Phase I)
- Review and evaluate remaining portions of the FSAR
- Licensing review for the 230kV system started in August, 2010
- Perform reviews modeled after Component Design Basis Reviews (using NRC Inspection Procedure 71111.21 as a guide) on eight risk-significant systems, after the corresponding system licensing review is complete.
 - Systems for review - CCW, 230kV, 500kV, Emergency Diesel Generators (EDGs), AFW, Solid State Protection System (SSPS), Residual Heat Removal (RHR), and ASW
- Correct any identified inconsistencies in the CLB document databases

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Current Project Organization

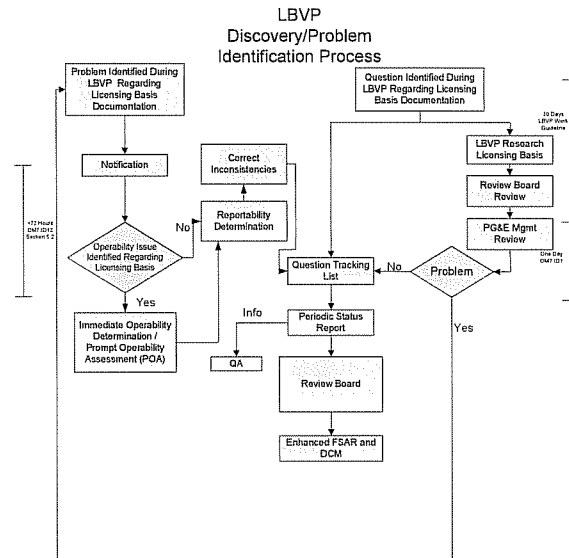
Current Licensing Basis Verification Project Organization Chart



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LBVP Discovery/Problem Identification Process



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Primary Information Sources

- Original FSAR (Amendment 85) through Current Living FSAR Update
- Design Criteria Memoranda (DCM)
- 10 CFR 50.59 Evaluations documenting basis for changes
- 10 CFR 50.59 Screens documenting basis for changes in calculations, STPs, EOPs, DCMs, TS Bases, ECGs, and modifications
- Correspondence to and from NRC
- License Amendment Requests (LARs), License Amendments, and Related Safety Evaluations
- Original Safety Evaluation Report (SER) and Supplemental SERs

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Primary Information Sources (continued)

- General Design Criteria and Regulatory Guide compliance commitments
- Licensing basis source documents
- Codes and standards
- Technical Specification and Bases
- Nonconformance Reports and NRC Inspection Reports
- Corrective Action Documents (Action Requests and SAP Notifications)
- Three Mile Island Commitments – NUREG-0578 and NUREG-0737
- Licensing position whitepapers

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Information Evaluation

- Compare FSAR with RG 1.70 Requirements, design change packages, analysis changes, and change evaluations (50.59 evaluations and screens)
- Compare information with source documents
- Compare FSAR with DCMs
- Project review and evaluation of findings
- Project Review Board evaluation of any potential licensing inconsistencies
- DCCP Management review of Project Review Board recommendations
- Utilization of the DCCP Corrective Action Program

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Phase I Status

- 95% complete with the licensing reviews for the CCW and AFW systems
- Over 5000 documents reviewed
- Prepared a draft enhanced FSAR and DCM for both systems
- Developed and approved numerous project task guides for performing licensing data retrieval and compilation
- Captured numerous process learnings and enhancements including recommendations for CLB database enhancements and full-text search capabilities
- Performed a preliminary report out to PG&E Management of the Phase I Findings and Recommendations on September 17, 2010
- Phase I Final Report to be issued by October 31, 2010

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Phase II Status

- Contract has been signed.
- Contractor staff will start arriving onsite in September
- Planning for Phase II work is in progress (including development of the overall project schedule)
- Efforts are underway to address CLB document database inconsistencies
- Design and programming efforts for the enhanced full-text search tool for the CLB are in process
- Initial work on 230kV system licensing basis research has started

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FSAR and DCM Enhancements

FSAR Enhancements

- Clarify General Design Criteria compliance by system
- Clarify Regulatory Guide compliance by system
- Establish a hyperlink to system descriptions in DCM and licensing basis source documents
- Review changes to the FSAR, the basis for changes, and correct identified inconsistencies

DCM Enhancements

- Enhance licensing basis discussion
- Hyperlink to licensing basis source documents

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Current LBVP Milestones

September 17, 2010	Preliminary report out to PG&E Management of the Phase I Findings and Recommendations (Complete)
August 2010	Initiate Phase II (began 230kV licensing review)
March 2011	Complete CCW CDBR
March 2011	Complete enhancements of the CLB electronic document databases and full-text search tool goes into production
December 2014	Completion of LBVP

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Evaluation Thoroughness



Cause Summary

- Root Cause: Need for enhanced program standards and reinforcement
- Contributing Cause: Licensing bases documentation and retrievability



Key Actions

- Training
- Program Procedure Changes
- Metrics
- Review Boards
- Licensing Basis Verification Project



Conclusion