

U. S. NUCLEAR REGULATORY COMMISSION

REGION V

Report Nos. 50-275/84-17
50-323/84-07

Docket Nos. 50-275 and 50-323

License No. DPR-76
Construction Permit
No. CPPR-69

Licensee: Pacific Gas and Electric Company

P. O. Box 7442

San Francisco, California 94120

Facility Name: Diablo Canyon Units Nos. 1 and 2

Inspection at: NRC-Region V, Walnut Creek, California

Inspection conducted: May 22, 1984

Inspectors: W. J. Wagner 6-20-84
W. J. Wagner, Reactor Inspector Dated

Approved by: D. F. Kirsch 6/20/84
D. F. Kirsch, Chief, Reactor Projects Branch Dated

Summary:

Special meeting conducted May 22, 1984 (Report Nos. 50-275/84-17 and 50-323/84-07)

Areas Inspected: A special meeting by Region V to review the implementation status of the revised PG&E Quality Assurance Program as described in Chapter 17 of the FSAR.

The meeting lasted 2 hours and involved 3 regional staff members.

Results:

The licensee agreed to provide a written schedule for full implementation of their Quality Assurance Program.

DETAILS

1. Meeting Attendance

a. Pacific Gas and Electric Company

S. M. Skidmore, Manager Quality Assurance
J. D. Woessner, Director Auditing
T. G. deUriarte, Director QA Program Management
K. T. Bergman, Senior QA Engineer
R. T. Twiddy, Director Quality Services
L. Gauveia, Project Manager

b. Nuclear Regulatory Commission

T. W. Bishop, Director, Division of Reactor Safety and Projects
D. F. Kirsch, Chief, Reactor Projects Branch
W. J. Wagner, Reactor Inspector

2. FSAR Chapter 17 QA Program Status

The licensee met with NRC personnel on May 22, 1984 in Region V to present a performance report of the PG&E Quality Assurance Program as described in Chapter 17 of the Final Safety Analysis Report (FSAR). Attachment 1 is a copy of this performance report. A proposed change to the Chapter 17 Quality Assurance Program was reviewed and approved by NRC Region V on December 20, 1983. The purpose of this presentation was to inform the NRC on the status of the development and implementation of the revised quality assurance program. In response to questions regarding implementation, the licensee committed to provide NRC Region V with a written schedule establishing actual implementation dates for each section of the new quality assurance program. This schedule will be provided by June 30, 1984.

PERFORMANCE REPORT
OF THE PGandE
QUALITY ASSURANCE PROGRAM ENHANCEMENT
TO NRC REGION V

May 22, 1984

Purpose/objective of the Quality Assurance Program Project is to develop and implement an enhanced Quality Assurance Program in furtherance of corporate requirements and commitments.

Project scope of work is planned to be accomplished in five phases of activities and tasks:

Phase I: Program Planning and Orientation

Phase II: Program Development

Phase III: Procedure Development

Phase IV: Program Implementation

Phase V: Program Maintenance

REVISED SCHEDULE
May 22, 1984

PHASE	TASK	TASK DESCRIPTION	SCHEDULE (MONTHS)																			
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
I	1	Orientation	V			C																
	2	QA/QC Assignments	V																			
	3,4	Project Controls	V				C															
	5	Procedure Evaluation Standards	V				C															
	6	Flowchart/Documentation Standards	V				C															
	7	Review/Assess Corporate Documents		V			C															
	8	Revise Corporate Documents		V																		
	9	Phase II Schedule/List			V		V															
	II	1	Review/Assess Functional Dept. Procedures				V															
2		Revisions Listing				V																
3		Quality System Development			V																	
4		Phase III Schedule					V															
III	1	Revise Dept. Procedures							V								V					
	2	Verify and Validate							V									V				
	3	Make Ready Training and Implementation								V									V			
IV	1	Training																V		V		
	2	Cutover to New Procedures																	V		V	
	3	Quality System Implementation																V			V	
V	1	Maintenance Estimate																		V		V

1. Establishment of Quality Task Force (QTF):

- Prepared QTF Charter
 - Reviewed Charter draft with Department Management
 - Revised Charter to incorporate comments/changes
 - Established QTF Organization/Interface
- Prepared QTF training materials
- Conducted QTF training sessions
 - Provided orientation/indoctrination to Task Force Team

QUALITY ASSURANCE PROGRAM IMPLEMENTATION

	Chief Executive Officer and President, Exec. Vice Pres., F&ERD	<ul style="list-style-type: none"> • Approves QA Program • Approves Corporate-Level Manuals and Procedures. • Resolves Impasses (Exec. V. P. F&ERD)
	QA MANAGER	<ul style="list-style-type: none"> • Reviews & Reports Status To PNAC • Resolves Issues With Dept. Managers or V. Ps, If Necessary.
IMPLEMENTATION TEAM	QUALITY TASK FORCE	<ul style="list-style-type: none"> • Carries Out Program Plan. • Reports Program Status. • Interfaces Between Departments.
DEPARTMENT REPRESENTATIVE	TASK FORCE MEMBERS	<ul style="list-style-type: none"> • Coordinates Implementation Within Home Department. • Coordinates Procedure Reviews. • Coordinates Training Within Home Department.
IMPLEMENTING DEPARTMENT	DEPARTMENT MANAGER	<ul style="list-style-type: none"> • Approves Procedure Changes. • Ensures That Procedures Are Followed Within Department. • Supports Training Programs Within Department.

2. Developed and Established the Project Control System
 - o Developed Project Work Instructions (QAPP-WIs)
 - Identified 12 QAPP-WIs required to control administrative and technical project activities
 - Established Work Instruction format
 - Prepare 11 QAPP-WIs
 - Reviewed by PAC Project Manager
 - Issued to QTF for review/comments
 - Review and final approval, PGandE Director, Project Management
 - o Issued QAPP-WIs to QTF for information
3. Established the Assessment Criteria (QA Requirement Lists)
 - o Performed assessment activities per Project Work Instructions (QAPP-WI-8)
 - o Identified QA requirements/commitments to:
 - FSAR, Chapter 17
 - QA Regulatory Guides, 10CFRs
 - QA ANSI Standards
 - o Prepared QA Requirement Lists (approximately 4,000)
 - o Issued to QTF for information
 - o Issued QA Requirement Lists
4. Assessed/Developed Department Procedure Inventory List
 - o Performed department procedure inventory activities per Project Work Instructions (QAPP-WI-9)
 - o Identified department programmatic procedures which impact the QA Program
 - o Completed Inventory Lists reviewed by QTF
 - o 357 department procedures to be reviewed during Phase II

5. Assessed and Revised QA Manual Procedures

- o Performed QA Manual assessment per Project Work Instruction (QAPP-WI-11)
- o Prepared new QA Manual Policy Sections 1 through 18
- o Evaluated 18 new Policy Sections:
 - Proposed 44 QA Procedures to implement the 18 new Sections
 - Prepared 44 final drafts of new/revised QA Procedures
 - Submitted 24 QA Procedures to QTF
 - All departments commented on 8 QA Procedures
 - Partial department comments on 16 QA Procedures
 - Remaining 20 QA Procedures to be issued to QTF by August 1, 1984

6. Commenced Department Procedure Assessment

- o Assessments in progress on 301 of 357 procedures
- o Comments generated on 185 procedures
- o Submitted to QTF members for review/resolution
- o Initial assessments to be completed by mid-June

Expenditures
(\$ x 10,000)

