TABLE OF CONTENTS

D013

Pacific Gas and Electric Company
Semimonthly Report No. 43
Diablo Canyon Verification Program
August 8, 1983

SUMMARY

This is PGandE's forty-third Semimonthly Status Report which summarizes the progress of the design verification program from July 19, 1983, through August 8, 1983.

The Teledyne Engineering Services (TES) Independent Design Verification Program (Independent Program or IDVP) has identified 325 items to date. Of the 325 items, 311 completion reports (209 Phase I, 102 Phase II and CQA) have been issued, 7 Phase I reports require action by PGandE, and 7 Phase I reports require action by the Independent Program.

PGandE's Internal Technical Program has identified a total of 40 open items to date. Twenty-three of the 40 open items have been closed by PGandE. No new open items were identified during this report period.

STATUS OF INDEPENDENT PROGRAM

This section provides the status of items identified in the Independent Program.

I. Status of Independent Program

A. Phase I

The items identified by the Independent Program are described in appropriate Independent Program progress reports. A list of the Independent Program items is given in Attachment I, together with a brief indication of the status of each item. A summary of Attachment I is given in Table 1. In addition, Attachment IA indicates the Project status, including the expected Project resolution date, for each of the items that have not been issued as a Completion Report.

B. Phase II and Construction Quality Assurance

The Independent Program has identified certain items related to Phase II. These items are listed in Attachment II with file numbers in the 6000 and 8000 series. Further, R. F. Reedy has identified certain items as a result of its Phase II quality assurance verification efforts. These items are listed in Attachment II with file numbers in the 7000 series. In addition, Attachment IIA indicates the Project status, including the expected Project resolution date, for each of the items that have not been issued as a Completion Report.

In addition to the Phase I and Phase II efforts, PGandE has voluntarily undertaken a construction quality assurance (CQA) review effort. As a result of this effort, CQA items have been identified; they are listed in Attachment II with file numbers in the 9000 series.

A summary of Attachment II is included in Table 1.

II. Independent Program Requests For Information

Responses to 1341 out of 1379 requests for information by the Independent Program have been transmitted to the IDVP. The remaining 38 requests are listed in Attachment III.

STATUS OF INTERNAL TECHNICAL PROGRAM

This section describes the status of work in PGandE's Internal Technical Program being performed in addition to the Independent Program.

Status reporting for the piping and pipe support design review is provided in Table 2. Status reporting for the civil/structural design review is provided in Table 3. The status of plant modifications is provided in Table 4. A discussion of the progress of engineering and construction activities is also provided.

I. Status of Internal Technical Program

The discussions below summarize the status of work for each area indicated.

A. Containment and Internals

All modifications for the annulus steel framing have been issued. Confirmatory analysis for the latest pipe support loads is continuing. The analytical model of the entire annulus structure is complete. Hanger loads are being applied to the model.

B. Auxiliary Building

All member evaluations have been reported in the Phase I Report (June 20, 1983).

C. Fuel Handling Building

Design of modifications for the fuel handling building is complete. The analysis of the building to reflect minor differences between design and as-built conditions is in progress.

D. Turbine Building

For the case of the turbine building crane parked and unloaded, the modifications to reduce floor response spectra in certain areas have been designed and issued for construction. Analytical models incorporating these modifications are complete and revised response spectra have been generated. Member evaluation to account for current Class I pipe support loads is continuing.

For the case of the crane loaded and operating, the building analysis is essentially complete. Member evaluations are in progress.

E. Intake Structure

Engineering for the intake structure is complete.

F. Pipe Rupture Restraints

The pipe rupture restraint review is nearly complete. Restraint modifications are currently being issued. Evaluation for restraints with pipe hanger loads is partially complete.

G. Piping and Pipe Supports

The stress analysis work for large bore piping is essentially complete; some minor rework is in progress to address specific situations, response spectra revisions, or field changes. Large bore pipe support design work is essentially complete. Some minor work is in progress to recheck designs and make minor modifications as a result of the latest spectra changes for the annulus and turbine building.

The stress analysis work for small bore piping is also essentially complete with very little work remaining. Minor modification work and final review of small bore pipe supports is in progress.

H. Equipment Seismic Design Review

1. Mechanical Equipment

The seismic design review for all Design Class I mechanical equipment within the PGandE design scope has been completed based on nozzle loads and spectra available May 20, 1983. The review is now being updated as necessary, to incorporate the latest loads, spectra, and as-built information.

2. Electrical Equipment and Instruments

All PGandE scope equipment reviews are essentially complete. Minor rechecking for the latest turbine and auxiliary building spectra is in progress.

3. Heating, Ventilating, and Air Conditioning Equipment

All Design Class I HVAC equipment is being analyzed or tested to meet design requirements using the latest spectra.

I. Electrical Raceway Supports

The longitudinal review has been completed. The previous qualification of raceway supports is being reviewed for the revised turbine building spectra.

J. HVAC Ducts and Supports

All modifications to the HVAC duct supports required for Step 1 have been designed and issued for construction.

K. Instrumentation Tubing and Tubing Supports

All engineering associated with instrumentation tubing and tubing supports is essentially complete.

II. Status of ITP Review Activities Associated with IDVP Additional Verification

A. Power Supplies for Shared Systems

The Diablo Canyon Project (DCP) has provided all information required by Stone and Webster Engineering Corporation (SWEC). The IDVP issued ITR-45, Rev. 0 dated May 17, 1983 closing this area of additional verification.

B. Selection of System Design Conditions

Pressure, temperature, and pressure differential information for the main steam and component cooling water systems have been provided to SWEC. All work associated with the original EOIs, including construction modifications, has been completed. The DCP is continuing with pressure/ temperature review of all systems as indicated in ITR-34, Rev. 1, Section 4.2.

C. High-energy Line Break Outside Containment

Final results of the analyses for all areas have been sent to SWEC.

D. Jet Impingement Analysis Inside Containment

Approximately 90% of the jet impingement review by the DCP has been completed. SWEC has sampled the work and walked down the systems. They are now completing their review of the DCP safety evaluations.

E. Circuit Separation

All circuit separation work has been completed.

III. Project Status

The status of the Project's work is presented in Tables 3 and 4.

IV. Open Item Status

To date, a total of 40 open items (OIs) have been identified by PGandE (Attachment IV). Twenty-three open items generated by the Internal Technical Program have been closed by PGandE. No new open items were identified during this report period.

John B. Hosh
Diablo Canyon Project Manager

ADDENDUM

WESTINGHOUSE EQUIPMENT SEISMIC REVIEW

To date, all mechanical Design Class I Westinghouse supplied equipment within its scope of analysis has been requalified except the spray additive tank. Analysis has determined that the spray additive tank requires modification; modification details have been transmitted to the Project for action.

Spectra comparison or requalification of all Westinghouse supplied electrical equipment is complete except for the reactor trip switchgear. This effort is currently in progress. For the main control board, modifications have been made as a result of revisions to the response spectra.

Analyses of the interaction of adjacent electrical cabinets has determined that modifications are required for six cabinets. Modification details for solid state protection, reactor trip switchgear, nuclear instrumentation systems, auxiliary safeguards test, process control, and protection cabinets have been transmitted to the Project for action.

TABLE 1
SUMMARY OF ATTACHMENTS I & II

TYPE OF INDEPENDENT PROGRAM REPORTS	NUMBER REPORTED AS OF JULY 18, 1983*		NUMBER REPORTED AS OF AUGUST 8, 1983*	
	Phase I	Phase II & CQA	Phase I	Phase II & CQA
Open Item Reports	2	0	6	0
Potential Program Resolution Reports				
Closed Item	0	1	0	0
Deviation	0	0	0	0
Open Item with future action by PGandE	0	0	0	0
Subtotal	0	1	0	0
Program Resolution Reports				
Closed Item	0	0	0	0
Deviation	0	0	0	0
Open Item with future action by PGandE	1	0	1	0
Subtotal	1	0	1	0
Potential Error Reports				
Class A Error	0	0	0	0
Class A or B Error	0	0	0	0
Class B Error	0	0	0	0
Class C Error	1	0	1	0
Class D Error	0	0	0	0
Subtotal	1	0	1	0
Error Reports				
Class A Error	3	0	2	0
Class A or B Error	6	1	4	0
Class B Error	1	0	0	0
Class C Error	0	0	0	0
Class D Error	0	0	0	0
Subtotal	10	1	6	0
Completion Reports	205	100	209	102
TOTAL NUMBER OF REPORTS	219	102	223	102

*Since the Independent Program's reporting period differs from PGandE's, these numbers may differ from those reported in the Independent Program's progress reports.

TABLE 2

STATUS OF PIPING REVIEW

	Percent Complete
Large Bore Piping	
Field as-built check	100
Drawing incorporation of field as-built check results	100
Establish procedures and criteria	100
Qualification or reanalysis of seismic and thermal problems	95
Large Bore Pipe Supports	
Procedures and criteria	100
Qualification or redesign of pipe supports	90
Small Bore Piping	
Procedures and criteria	100
Initial sample selections	100
Computer analyses review (Includes SAM and TAM Review)	95
Span criteria sample review	99
Small Bore Pipe Supports	
Procedures and criteria	100
Initial sample selections	100
Span criteria sample review	99
Standard support details review	100
Code boundaries review	100
Local pipe stress from lugs review	100

TABLE 3

STATUS OF CIVIL/STRUCTURAL REVIEW

CONTAINMENT STRUCTURE

Task Description	Percent Complete For* STEP 1 Fuel Load	STEP 2 Low Power Testing	STEP 3 Full Power
- Seismic criteria	100	NA	NA
- Annulus structure	100	NA	NA
- Exterior shell	95	NA	NA
- Interior concrete structure	80	NA	NA
- Cranes	95	NA	NA
- Platforms	100	NA	NA
- Plant vent	100	NA	NA

* Refer to PGandE's December 3, 1982 letter to the NRC for definition of the three step licensing process.

NA - Not Applicable; not required or not identified for this step.

TABLE 3 (cont'd)

STATUS OF CIVIL/STRUCTURAL REVIEW

AUXILIARY BUILDING

Task Description	Percent Complete For STEP 1 Fuel Load	STEP 2 Low Power Testing	STEP 3 Full Power
- Seismic criteria	100	NA	NA
- Global vertical response spectra	100	NA	NA
- Vertical floor spectra accounting for flexibility	100	NA	NA
- Horizontal response spectra including torsional effects	95	NA	NA
- Building response due to horizontal and vertical inputs	95	NA	NA
- Concrete walls and floors	95	NA	NA

TABLE 3 (cont'd)

STATUS OF CIVIL/STRUCTURAL REVIEW

FUEL HANDLING BUILDING

Task Description	Percent Complete For STEP 1 Fuel Load	STEP 2 Low Power Testing	STEP 3 Full Power
- Seismic criteria	100	NA	NA
- Fuel handling building crane	95	NA	NA
- Initial analysis of building	100	NA	NA
- Horizontal and vertical spectra at roof	NA	NA	100
- Final analysis of building as modified	NA	NA	90

TABLE 3 (cont'd)

STATUS OF CIVIL/STRUCTURAL REVIEW

TURBINE BUILDING

Task Description	Percent Complete For STEP 1(1) Fuel Load	STEP 2 Low Power Testing	STEP 3(2) Full Power
- Seismic criteria	100	NA	100
- Seismic models and analysis	100	NA	100
- Revised building response spectra	100	NA	100
- Member evaluation	100	NA	60
- Turbine pedestal	100	NA	100
- Turbine building crane	100	NA	85

(1) Percentages for Step 1 relate to engineering work for the load case of the turbine building crane parked and unloaded.

(2) Percentages for Step 3 relate to engineering work for the load cases of the turbine building crane in its operating modes.

TABLE 3 (cont'd)

STATUS OF CIVIL/STRUCTURAL REVIEW

INTAKE STRUCTURE

Task Description	Percent Complete For STEP 1 Fuel Load	STEP 2 Low Power Testing	STEP 3 Full Power
- Seismic criteria	100	NA	NA
- Seismic model	100	NA	NA
- Intake structure seismic design	100	NA	NA
- Crane design	NA	NA	100
- Wave forces on intake structure	NA	NA	100
- Ship collision study	NA	NA	100
- Auxiliary saltwater system vent shaft modification	NA	NA	100

TABLE 3 (cont'd)

STATUS OF CIVIL/STRUCTURAL REVIEW

RACEWAY SUPPORTS

Task Description	Percent Complete For STEP 1 Fuel Load	STEP 2 Low Power Testing	STEP 3 Full Power
- Seismic criteria	100	NA	NA
- Transverse loads	100	NA	NA
- Longitudinal loads	100	NA	NA
- Field-originated review of supports	100	NA	NA

HVAC SUPPORTS

- Seismic criteria	100	NA	NA
- Two-over-one supports in containment	100	NA	NA
- Supports outside containment required for Step 1	100	NA	NA
- Supports outside containment required for Step 3	NA	NA	5

TABLE 3 (cont'd)

STATUS OF CIVIL/STRUCTURAL REVIEW

MISCELLANEOUS

Task Description	Percent Complete For STEP 1 Fuel Load	STEP 2 Low Power Testing	STEP 3 Full Power
- System interaction program inside containment	100	NA	NA
- Systems interaction program outside containment	NA	NA	80
- Verify computer programs used for analysis of safety-related structures	100	NA	NA
- Heavy loads (NUREG-0612)	NA	NA	98
- Review G-line anchor	NA	NA	75
- Review pipe rupture restraints	NA	NA	95
- Review pipeway structure	95	NA	NA

TABLE 4

STATUS OF PLANT MODIFICATIONS
(As of July 29, 1983)

	STEP 1 Fuel Load	STEP 2 Low Power Testing
I. INSIDE CONTAINMENT		
A. Large Bore Pipe Supports		
Total Forecast	1004	None
Design Release	974	
Construction Complete	925	
B. Small Bore Supports		
Total Forecast	593	None
Design Release	572	
Construction Complete	530	
C. HVAC Supports		
Total Forecast	72	8
Design Release	72	8
Construction Complete	72	8
D. Raceway Supports		
Total Forecast	251	None
Design Release	251	
Construction Complete	239	
E. Annulus Steel Connections		
Total Forecast	760	*
Design Release	760	0
Construction Complete	760	0
F. Platform Connections		
Total Forecast	430	*
Design Release	430	0
Construction Complete	430	0
G. Polar Crane		
Design Release	100%	None
Construction Complete	85%	

* Some minor connection reinforcement will potentially be required upon completion of the confirmatory analysis with final piping loads.

TABLE 4 (Cont'd)

STATUS OF PLANT MODIFICATIONS
(As of July 29, 1983)

	STEP 1 Fuel Load	STEP 2 Low Power Testing
II. OUTSIDE CONTAINMENT		
A. Large Bore Pipe Supports		
Total Forecast	1197	752
Design Release	1168	744
Construction Complete	820	500
B. Small Bore Supports		
Total Forecast	431	247
Design Release	431	243
Construction Complete	323	163
C. HVAC Supports		
Total Forecast	603	None
Design Release	603	
Construction Complete	601	
D. Raceway Supports		
Total Forecast	1547	None
Design Release	1547	
Construction Complete	1524	
E. Fuel Handling Building Connections		
Total Forecast	345	None
Design Release	345	
Construction Complete	345	
F. Hot Shop Steel Connections		
Total Forecast	276	None
Design Release	276	
Construction Complete	276	
G. Equipment Modifications		
Total Forecast	54	41
Design Release	30	41
Construction Complete	0	41

TABLE 4 (Cont'd)

STATUS OF PLANT MODIFICATIONS
(As of July 29, 1983)

	STEP 1 Fuel Load	STEP 2 Low Power Testing
II. OUTSIDE CONTAINMENT (Cont'd)		
H. Intake Structure		
Design Release	100%	None
Construction Complete	100%	
I. Turbine Building		
Design Release	100%	None
Construction Complete	60%	

NOTES:

Total Forecast: The predicted number of required modifications based on reviews and evaluations to date.

Design Release: The number (or percent) of modifications completed by engineering and released to the field for construction.

Construction Complete: The number (or percent) of modifications where the construction work is physically complete and the work is awaiting appropriate quality assurance inspection and engineering approval of as-built conditions.

If additional plant modifications are identified for Step 3, Full Power, they will be included in this table.

TABLE 5

THREE-STEP LICENSING REPORTING REQUIREMENTS

Requirement	IDVP	Project
A. Fuel Load (Step 1)		
Phase I	Final Report 6/30/83	Final Report* 6/21/83
Phase II	Final Report 6/30/83	Status Report 3/11/83
DCP As-builts	N/A	Supplement 6/24/83
ITP Quality Assurance Program	Final Report Sections 4.2.1 & 4.2.3 ITR-2, 6/23/82 ITR-42, 4/13/83	N/A
Construction Quality Assurance	Final Report Section 4.2.4 ITR-36 and 38 5/27/83	N/A
PGandE/Westinghouse Interface	Final Report Section 4.1.3 ITR-11 11/2/82	N/A
Hosgri Spectra	Final Report Section 4.3.2 ITR-10 10/29/82	N/A
Non-Hosgri Spectra	Final Report Section 4.3.3 6/30/82	N/A
Verification of ITP	Final Report Section 7.0 6/30/82	N/A

*DCP's Phase I Final Report has been submitted in installments since Septembter 1, 1982; the final installment was submitted on June 21, 1983.

TABLE 5 (Cont'd)

THREE-STEP LICENSING REPORTING REQUIREMENTS

Requirement	IDVP	Project
B. Low Power (Step 2)		
Phase I	Final Report 6/30/83	Supplement 6/21/83
Phase II	Final Report 6/30/83	N/A
DCP As-builts	N/A	Supplement 6/24/83
Verification of ITP	Final Report Section 7.0 6/30/83	N/A
C. Full Power (Step 3)		
Phase II	Final Report 6/30/83	Final Report 6/13/83
DCP As-builts	N/A	Supplement 6/24/83
ITP Quality Assurance Construction QA Non-Hosgri Spectra	*	N/A
Verification of ITP	Final Report Section 7.0 6/30/83	N/A

*These final reports were originally defined for Step 3, but were subsequently removed from this step by the IDVP and were included as part of Step 1.

TABLE 5 (Cont'd)

COMMISSION ORDER

Requirement	IDVP	Project
1. Provide Information		
a. Pre-1978 Seismic Service (IDVP)	Final Report and ITRs	N/A
1) Quality Assurance Program	Final Report Section 4.2 ITR-2 6/23/82	N/A
2) Design Chain	Final Report Section 4.1 ITR-5 8/19/82	N/A
3) Quality Assurance Implementation	Final Report Section 4.2 ITR-2 6/23/82	N/A
4) Program Criteria	Final Report Section 3.5	N/A
5) Sample Criteria	Final Report Section 3.5 ITR 1 10/22/82	N/A
b. Cause, Significance, and Impact	Final Report Section 6.0	Phase I Final Report Section 1.8
c. Effectiveness of the IDVP	N/A	Phase I Final Report Supplement 6/21/83
d. Schedule for Modifications	N/A	Phase I Final Report Section 1.9
2. Propose Independent Companies	N/A	PG&E Proposal 3/12/82

TABLE 5 (Cont'd)

COMMISSION ORDER

Requirement	IDVP	Project
3. Program Plan	Phase I Program Plan 4/2/82	Overall Plan Rev. 1 4/6/82
4. Status Reports	Semimonthly	Semimonthly
5. NRC Review	N/A	N/A

TABLE 5 (Cont'd)

NRC STAFF LETTER

Requirement	IDVP	Project
1. Pre-1978 Non-seismic	Final Report and ITRs	N/A
a. Service Contractors (Enclosure A)		
1) QA Program	Final Report Section 4.2 ITR-42 4/28/83	N/A
2) Design Chain	Final Report Section 4.1 ITR-29 1/17/83	N/A
3) QA implementation	Final Report Section 4.2 ITR-42 4/28/83	N/A
4) Program Criteria	Final Report Section 3.5	N/A
5) Sample Criteria	Final Report Section 3.5	N/A
b. Cause, Significance, and Impact	Final Report Section 6.0	Phase II Final Report Section 3.0 6/13/83
c. Effectiveness of the IDVP	N/A	Phase II Final Report
d. Schedule for Modifications	N/A	Phase II Final Report Section 4.0 6/13/83

TABLE 5 (Cont'd)

NRC STAFF LETTER

Requirement	IDVP	Project
2. PG&E Internal Design	Final Report and ITRs	N/A
a. Design Activities (Enclosure B)		
1) QA Program	Final Report Section 4.2 ITR-42 4/28/83	N/A
2) Design Chain	Final Report Section 4.1 ITR-29 1/17/83	N/A
3) QA Implementation	Final Report Section 4.2 ITR-42 4/28/83	N/A
4) Program Criteria	Final Report Section 3.5	N/A
5) Sample Criteria	Final Report Section 3.5	N/A
b. Cause, Significance, and Impact	Final Report Section 6.0	Phase II Final Report Section 3.0 6/13/83
c. Effectiveness of the IDVP	N/A	Phase II Final Report
d. Schedule for Modifications	N/A	Phase II Final Report Section 4.0 6/13/83

TABLE 5 (Cont'd)

NRC STAFF LETTER

Requirement	IDVP	Project
3. Post-1978 Services	Final Report and ITRs	N/A
a. Service Contractors (Enclosure C)		
1) QA Program	Final Report Section 4.2 ITR-42 4/28/83	N/A
2) Design Chain	Final Report Section 4.1 ITR-29 1/17/83	N/A
3) QA Implementation	Final Report Section 4.2 ITR-42 4/28/83	N/A
4) Program Criteria	Final Report Section 3.5	N/A
5) Sample Criteria	Final Report Section 3.5	N/A
b. Cause, Significance, and Impact	Final Report Section 6.0	Phase II Final Report Section 3.0 6/13/83
c. Effectiveness of IDVP	N/A	Phase II Final Report
d. Schedule for Modifications	N/A	Phase II Final Report Section 4.0 6/13/83
4. Propose Independent Companies	N/A	PG&E Proposal 1/13/82
5. Program Plan	Phase II Program Plan 6/18/82	Overall Plan Rev. 1 4/6/82

ATTACHMENTS I, IA, II, IIA

STATUS OF IDVP ITEMS

(Phase I - I, IA)
(Phase II and CQA - II, IIA)

LEGEND

* Asterisk denotes revision or addition since last report.

1. FILE NO: The file number assigned to each item by the IDVP.

2. SUBJECT: Self-explanatory. Detailed description of the concern identified for each item is available in Revision 0 of the Open Item Report associated with the same file number.

3. REV. 0 DATE: Date issue initially identified by Open Item Report, Revision 0.

4. LATEST REV. NO: Latest revision number received by PGandE.

5. LATEST REV. DATE: Date latest revision received by PGandE.

6. STATUS: Status is indicated by the type of classification of latest report received by PGandE:

OIR	-	Open Item Report
PPRR	-	Potential Program Resolution Report
PRR	-	Program Resolution Report
PER	-	Potential Error Report
ER	-	Error Report
CR	-	Completion Report
CI	-	Closed Item
DEV	-	Deviation
OIP	-	Open Item with future action by PGandE
A	-	Class A Error
B	-	Class B Error
C	-	Class C Error
D	-	Class D Error

Details of current actions related to each item are described in the latest revision of the referenced report with the same file number.

7. ACTION REQ'D BY: Indicates whether action on an item is needed by either IDVP or PGandE. Closed means IDVP Completion Report has been received.

8. PHY MODS: Physical modifications required to resolve the issue. Blank entry indicates that modification has not been determined.

9. PGandE TASK NO: PGandE task number assigned for tracking. Task numbers are not necessarily sequential.

STATUS OF PHASE I IDVP ITEMS

FILE NO.	SUBJECT	REV. 0 DATE	LATEST REV. NO.	LATEST REV. DATE	STATUS	ACTION REQ'D BY	PHY. MODS	PG&E TASK NO.
910	RACEWAY SUPPORTS INSTALLATION VARIANCE	01-05-82	7	07-23-82	CR	CLOSED	YES	70000
920	AUX BLDG FLOOR RESPONSE SPECTRA DIFFERENCES	01-06-82	6	07-22-82	CR	CLOSED	NO	70001
930	RACEWAY CRITERIA	01-05-82	6	07-23-82	CR	CLOSED	YES	70002
931	VALVE 9001A	01-06-82	3	05-24-82	CR	CLOSED	NO	70003
932	SUPPORT 58S-23R DIRECTION	01-06-82	6	05-10-82	CR	CLOSED	YES	70004
933	LINE 110 DIMENSION	01-20-82	3	05-24-82	CR	CLOSED	NO	70005
934	SUPPORT 72-11R DIRECTION	01-20-82	3	05-24-82	CR	CLOSED	NO	70006
935	LINE 931 CONNECTION TO LINE 1971	01-20-82	2	04-09-82	CR	CLOSED	NO	70007
936	LINE 1971 DIMENSION	01-20-82	4	05-24-82	CR	CLOSED	NO	70008
937	LINE 44 FLANGE	01-20-82	3	07-08-82	CR	CLOSED	NO	70009
938*	VALVE ORIENTATION (includes file 1105)	01-20-82	8	07-21-83	OIR	IDVP	YES	70010
939	SUPPORT 73-72R DIRECTION	01-20-82	3	07-08-82	CR	CLOSED	NO	70011
940	LINE 103 DIMENSION	01-20-82	3	07-08-82	CR	CLOSED	NO	70012
941	SUPPORT 18-4R DIRECTION	01-20-82	3	05-24-82	CR	CLOSED	NO	70013
942	SUPPORT 18-7R LOCATION	01-20-82	3	05-24-82	CR	CLOSED	NO	70014
943	SUPPORT 5006V LOCATION	01-20-82	3	05-24-82	CR	CLOSED	NO	70015
944	SUPPORT 5003V LOCATION	01-20-82	3	05-24-82	CR	CLOSED	NO	70016
945	SUPPORT 55S-20R DIRECTION & LOCATION	01-20-82	3	05-24-82	CR	CLOSED	NO	70017
946	LINE 1980 DIMENSION	01-20-82	3	05-24-82	CR	CLOSED	NO	70018
947	VALVE 8821A ORIENTATION	01-20-82	3	05-24-82	CR	CLOSED	NO	70019
948	SUPPORT 13-23SL DIRECTION	01-20-82	3	05-24-82	CR	CLOSED	NO	70020
949	MAIN ANNUNCIATOR CABINET RIGIDITY & FREQUENCY	01-20-82	5	05-23-83	CR	CLOSED	YES	70021

STATUS OF PHASE I IDVP ITEMS

FILE NO.	SUBJECT	REV. 0 DATE	LATEST REV. NO.	LATEST REV. DATE	STATUS	ACTION REQ'D BY	PHY. MODS	PG&E TASK NO.
950	VALVE FCV 95 PLATE THICKNESS	01-28-82	14	07-15-83	CR	CLOSED	YES	70022
951	LINE 593 DIMENSION	01-29-82	3	05-24-82	CR	CLOSED	NO	70023
952	LINE 593 DIMENSION	01-29-82	3	05-24-82	CR	CLOSED	NO	70024
953	SUPPORT 58S-69R DIRECTION	01-29-82	3	07-08-82	CR	CLOSED	NO	70025
954	LINE 574 DIMENSION	01-29-82	3	07-08-82	CR	CLOSED	NO	70026
955	SUPPORT 55S-57R IDENTIFICATION	01-29-82	2	04-09-82	CR	CLOSED	NO	70027
956	LINE 574 DIMENSION.	01-29-82	3	05-24-82	CR	CLOSED	NO	70028
957	LINES 577 & 578 INSULATION	01-29-82	6	07-23-82	CR	CLOSED	YES	70029
958	SUPPORT 58S-55V LOCATION	01-29-82	5	07-08-82	CR	CLOSED	NO	70030
959	SUPPORT 11-49SL LOCATION	01-29-82	3	06-28-82	CR	CLOSED	NO	70031
960	LINE 19 DIMENSION	01-29-82	3	05-24-82	CR	CLOSED	NO	70032
961	SUPPORT 11-59SL DIRECTION	01-29-82	6	09-21-82	CR	CLOSED	NO	70033
962	SUPPORT 48-44R DIRECTION	01-29-82	3	06-21-82	CR	CLOSED	NO	70034
963	SUPPORT 58S-32R DIRECTION	01-29-82	10	10-29-82	CR	CLOSED	YES	70035
964	LINE 2519 SUPPORT IDENTIFICATION	01-29-82	4	12-01-82	CR	CLOSED	NO	70036
965	SUPPORT 55S LOCATION	01-29-82	4	06-19-82	CR	CLOSED	NO	70037
966	SUPPORT 14-33SL LOCATION	01-29-82	3	05-24-82	CR	CLOSED	NO	70038
967	INTAKE STRUCTURE ACCELERATIONS	01-30-82	6	09-10-82	CR	CLOSED	NO	70039
968	HARDING LAWSON ASSOCIATES QA FINDING	01-30-82	2	05-24-82	CR	CLOSED	NO	70040
969	HARDING LAWSON ASSOCIATES QA FINDING	01-30-82	2	05-24-82	CR	CLOSED	NO	70041
970	HARDING LAWSON ASSOCIATES QA FINDING	01-30-82	2	05-24-82	CR	CLOSED	NO	70042

STATUS OF PHASE I IDVP ITEMS

FILE NO.	SUBJECT	REV. 0 DATE	LATEST REV. NO.	LATEST REV. DATE	STATUS	ACTION REQ'D BY	PHY. MODS	PG&E TASK NO.
971	EDS NUCLEAR QA OBSERVATION	01-30-82	2	04-09-82	CR	CLOSED	NO	70043
972	EDS NUCLEAR QA OBSERVATION	01-30-82	2	04-09-82	CR	CLOSED	NO	70044
973	EDS NUCLEAR QA OBSERVATION	01-30-82	2	04-09-82	CR	CLOSED	NO	70045
974	EDS NUCLEAR QA OBSERVATION	01-30-82	2	04-09-82	CR	CLOSED	NO	70046
975	EDS NUCLEAR QA OBSERVATION	01-30-82	2	04-09-82	CR	CLOSED	NO	70047
976	EXTERIOR CONTAINMENT SPECTRA SUPERSEDED	02-05-82	2	04-17-82	CR	CLOSED	NO	70048
977	ANNULUS AREA REEVALUATION	02-05-82	6	09-10-82	CR	CLOSED	NO	70049
978	REGENERATIVE HEAT EXCHANGER SPECTRA	02-05-82	3	06-21-82	CR	CLOSED	NO	70050
979	OTHER EQUIPMENT IN CONTAINMENT NOT REVIEWED	02-05-82	2	04-17-82	CR	CLOSED	NO	70051
980	ASWP COMPARTMENTS QUALIFICATION DOCUMENTATION	02-05-82	2	04-17-82	CR	CLOSED	NO	70052
981	BURIED PIPELINE IS TO AB QUALIFICATION	02-05-82	3	05-11-82	CR	CLOSED	NO	70053
982	TURB BLDG BLUME TRANSMITTALS	02-05-82	6	07-23-82	CR	CLOSED	NO	70054
983	RACEWAY SUPPORT REEVALUATION (includes files 910 and 930)	02-05-82	2	09-10-82	ER/A	PG&E	YES	70055
984	TURB BLDG INTERFACE PROCEDURES	02-05-82	6	07-23-82	CR	CLOSED	NO	70056
985	AUX BLDG WEIGHTS	02-05-82	2	04-17-82	CR	CLOSED	NO	70057
986	CONTROL ROOM SPECTRA	02-05-82	6	07-22-82	CR	CLOSED	NO	70058
987	AUX BLDG QUALIFICATION DETAILED REVIEW	02-05-82	2	04-17-82	CR	CLOSED	NO	70059
988	INTAKE STRUCTURE CRANE REVIEW	02-05-82	6	09-10-82	CR	CLOSED	NO	70060
989	TURB BLDG CRANE REVIEW	02-05-82	6	07-23-82	CR	CLOSED	NO	70061
990	FH BLDG CRANE DESIGN INFO	02-05-82	6	07-23-82	CR	CLOSED	NO	70062

STATUS OF PHASE I IDVP ITEMS

FILE NO.	SUBJECT	REV. 0 DATE	LATEST REV. NO.	LATEST REV. DATE	STATUS	ACTION REQ'D BY	PHY. MODS	PG&E TASK NO.
991	FH BLDG CRANE MODIFICATIONS	02-05-82	6	07-23-82	CR	CLOSED	NO	70063
992	OD WATER TANK DESIGN INFO	02-05-82	6	09-09-82	CR	CLOSED	NO	70064
993	OD WATER TANK DESIGN INFO (includes file 992)	02-05-82	9	06-27-83	CR	CLOSED	NO	70065
994	PIPING CONSULTANT INTERFACE	02-06-82	2	04-09-82	CR	CLOSED	NO	70066
995	EES TRANSMITTAL COVER SHEETS	02-06-82	2	04-09-82	CR	CLOSED	NO	70067
996	BLUME PIPING CORRESPONDENCE	02-06-82	3	05-10-82	CR	CLOSED	NO	70068
997	VALVES TRANSMITTALS TO EES	02-06-82	2	04-09-82	CR	CLOSED	NO	70069
998	VALVES TRANSMITTALS TO EDS	02-06-82	2	04-09-82	CR	CLOSED	NO	70070
999	VALVES TRANSMITTALS TO EDS	02-06-82	2	04-09-82	CR	CLOSED	NO	70071
1000	VALVES TRANSMITTALS TO WESTINGHOUSE	02-05-82	2	04-17-82	CR	CLOSED	NO	70072
1001	VALVES VERIFICATION OF ACCELERATIONS	02-05-82	2	04-17-82	CR	CLOSED	NO	70073
1002	SUPPLY FANS S67, 68 & 69 INPUT	02-05-82	9	03-22-83	CR	CLOSED	NO	70074
1003*	4 KV SW RM HVAC DUCT SUPPORT (includes file 1077)	02-05-82	9	08-01-83	CR	CLOSED	NO	70075
1004	WESTINGHOUSE CONTAINMENT ELEC EQUIP	02-05-82	6	06-22-82	CR	CLOSED	NO	70076
1005	WYLE LABS TRANSMITTALS OF SPECTRA	02-05-82	2	04-17-82	CR	CLOSED	NO	70077
1006	ELEC EQUIP QUALIFIED BY ANALYSIS	02-05-82	2	04-21-82	CR	CLOSED	NO	70078
1007	ELEC EQUIP TRANSMITTAL OF INFO	02-05-82	2	04-21-82	CR	CLOSED	NO	70079
1008	MAIN ANNUNCIATOR CABINET SPECTRA	02-09-82	3	10-18-82	CR	CLOSED	NO	70080
1009	CONTAINMENT INTERIOR ABOVE 140 SPECTRA	02-09-82	6	09-10-82	CR	CLOSED	NO	70081
1010	TURB BLDG ABOVE 140 SPECTRA	02-09-82	6	07-23-82	CR	CLOSED	NO	70082

STATUS OF PHASE I IDVP ITEMS

FILE NO.	SUBJECT	REV. 0 DATE	LATEST REV. NO.	LATEST REV. DATE	STATUS	ACTION REQ'D BY	PHY. MODS	PG&E TASK NO.
1011	DG OIL PRIMING TANK SPECTRA	02-09-82	3	07-09-82	CR	CLOSED	NO	70083
1012	DG OIL PRIMING TANK 15% DIFFERENCE	02-09-82	1	04-21-82	CR	CLOSED	NO	70084
1013	WYLE LAB SPECTRA	02-09-82	11	05-04-83	CR	CLOSED	NO	70085
1014	CONTAINMENT SEISMIC REVIEW (includes files 977, 1009, 3006, 3007, and 3008)	02-09-82	9	01-05-83	ER/AB	PG&E	YES	70086
1015	DG OIL PRIMING TANK DAMPING	02-11-82	2	04-17-82	CR	CLOSED	NO	70087
1016	ANCHOR ALLOWABLES	02-11-82	4	02-10-83	CR	CLOSED	NO	70088
1017	DG OIL PRIMING TANK SG WEIGHT	02-11-82	3	07-09-82	CR	CLOSED	NO	70089
1018	SUPPLY FAN S-31 SUPPORT	02-18-82	3	07-13-82	CR	CLOSED	NO	70110
1019	CVCS SYSTEM SEPARATOR/STABILIZER DOCUMENTATION	02-18-82	2	04-09-82	CR	CLOSED	NO	70090
1020	AUX SALTWATER PUMP PRELIM SPECTRA	02-18-82	3	06-29-82	CR	CLOSED	NO	70091
1021	CCWHX ANALYSIS AS RIGID ANCHOR	02-18-82	6	09-21-82	CR	CLOSED	NO	70092
1022*	INTAKE STRUCTURE SEISMIC REVIEW (includes files 967 and 988)	02-18-82	9	07-26-83	CR	CLOSED	NO	70093
1023	3" VELAN VALVE DOCUMENTATION	02-19-82	6	07-17-82	CR	CLOSED	NO	70094
1024	PIPE SUPPORT NOMENCLATURE	02-20-82	3	06-07-82	CR	CLOSED	NO	70095
1025	VERTICAL SPECTRA FOR TURB BLDG ELEV 104'	02-20-82	6	07-23-82	CR	CLOSED	NO	70096
1026	TURBINE BUILDING SEISMIC REVIEW (includes files 982, 984, 989, 1010, and 1025)	02-20-82	5	07-23-82	ER/AB	PG&E	NO	70097
1027	FUEL HANDLING CRANE SUPPORT	02-23-82	6	07-23-82	CR	CLOSED	NO	70111
1028	AUX BLDG HORIZONTAL ACCELERATION	02-23-82	6	03-09-83	OIR	IDVP	NO	70112
1029	AUX BLDG MODEL DISCREPANCIES	02-25-82	3	07-22-82	CR	CLOSED	NO	70113
1030	BORIC ACID TANK ANALYSES	02-25-82	3	07-09-82	CR	CLOSED	NO	70114

STATUS OF PHASE I IDVP ITEMS

FILE NO.	SUBJECT	REV. 0 DATE	LATEST REV. NO.	LATEST REV. DATE	STATUS	ACTION REQ'D BY	PHY. MODS	PG&E TASK NO.
1031	VALVES FCV-37 AND LCV-115 DOCUMENTATION	03-02-82	7	07-17-82	CR	CLOSED	NO	70115
1032	PIPE SUPPORT 73/70R DIRECTION	03-02-82	5	07-07-82	CR	CLOSED	NO	70116
1033	EES (CYGNA) QA OBSERVATIONS	03-02-82	2	04-09-82	CR	CLOSED	NO	70117
1034	EES (CYGNA) QA OBSERVATIONS	03-02-82	2	04-09-82	CR	CLOSED	NO	70118
1035	EES (CYGNA) QA OBSERVATIONS	03-02-82	2	04-09-82	CR	CLOSED	NO	70119
1036	EES (CYGNA) QA OBSERVATIONS	03-02-82	2	04-09-82	CR	CLOSED	NO	70120
1037	EES (CYGNA) QA OBSERVATIONS	03-02-82	2	04-09-82	CR	CLOSED	NO	70121
1038	EES (CYGNA) QA OBSERVATIONS	03-02-82	2	04-09-82	CR	CLOSED	NO	70122
1039	EES (CYGNA) QA OBSERVATIONS	03-02-82	2	04-09-82	CR	CLOSED	NO	70123
1040	EES (CYGNA) QA FINDINGS	03-02-82	2	05-24-82	CR	CLOSED	NO	70124
1041	EES (CYGNA) QA FINDINGS	03-02-82	2	05-24-82	CR	CLOSED	NO	70125
1042	ANCO QA FINDINGS	03-02-82	2	05-24-82	CR	CLOSED	NO	70126
1043	PIPE SUPPORTS 512/7R & 512/6R LOCATION	03-08-82	6	07-28-82	CR	CLOSED	NO	70129
1044	SMALL BORE LINES LOCATION	03-08-82	6	08-11-82	CR	CLOSED	NO	70130
1045	SUPPORT 99/9R DIRECTION	03-08-82	6	07-28-82	CR	CLOSED	NO	70131
1046	SUPPORTS 99/7R & 99/9R DIMENSION	03-08-82	6	07-28-82	CR	CLOSED	NO	70122
1047	SMALL BORE LINES LOCATION	03-08-82	6	10-06-82	CR	CLOSED	NO	70133
1048	SUPPORT 99/101R LOCATION	03-08-82	3	06-10-82	CR	CLOSED	NO	70134
1049	MAIN ANNUNCIATOR TYPEWRITER SPECTRA	03-08-82	9	07-23-82	CR	CLOSED	NO	70135
1050	LINE 279-8 INSULATION	03-08-82	3	07-08-82	CR	CLOSED	NO	70136
1051	INSULATION SPEC FOR LINES 264-8 & 2519-8	03-08-82	3	06-07-82	CR	CLOSED	NO	70137
1052	WYLE LABORATORIES QA FINDINGS	03-09-82	2	05-24-82	CR	CLOSED	NO	70138
1053	DIESEL GEN STARTING AIR RECEIVER TANK DAMPING	03-09-82	3	07-09-82	CR	CLOSED	NO	70139

STATUS OF PHASE I IDVP ITEMS

FILE NO.	SUBJECT	REV. 0 DATE	LATEST REV. NO.	LATEST REV. DATE	STATUS	ACTION REQ'D BY	PHY. MODS	PG&E TASK NO.
1054	DIESEL GEN STARTING AIR RECEIVER TANK ANALYSIS	03-09-82	4	06-22-82	CR	CLOSED	NO	70140
1055	CONTAINMENT ANNULUS SPECTRA	03-10-82	3	05-24-82	CR	CLOSED	NO	70149
1056	NO SIGNATURES ON SEVERAL PG&E CALCULATIONS	03-10-82	3	05-24-82	CR	CLOSED	NO	70150
1057	ANALYSIS 106 DIFFER FROM THE PG&E ANALYSIS	03-15-82	2	04-17-82	CR	CLOSED	NO	70151
1058	SMALL BORE PIPING LUG DESIGN	03-15-82	6	09-21-82	CR	CLOSED	NO	70152
1059	SMALL BORE PIPE REPORT OVERSTRESS	03-15-82	6	09-21-82	CR	CLOSED	NO	70153
1060	PIPESD AND ADLPIPE CODES	03-15-82	4	09-21-82	CR	CLOSED	NO	70154
1061	HVAC FAN S31 FABRICATION DRAWING	03-15-82	3	05-11-82	CR	CLOSED	NO	70155
1062	RLCA PIPING ANALYSIS 100-STRESS DIFFERENCE	03-15-82	4	11-08-82	CR	CLOSED	NO	70156
1063	RLCA PIPING ANALYSIS 107-STRESS DIFFERENCE	03-15-82	3	11-08-82	CR	CLOSED	NO	70157
1064	PG&E, QA FINDINGS	03-15-82	1	05-24-82	CR	CLOSED	NO	70158
1065	PG&E, QA FINDINGS	03-15-82	1	05-24-82	CR	CLOSED	NO	70159
1066	PG&E, QA FINDINGS	03-15-82	1	05-24-82	CR	CLOSED	NO	70160
1067	URS/BLUME QA FINDINGS	03-15-82	1	05-24-82	CR	CLOSED	NO	70162
1068	URS/BLUME QA FINDINGS	03-15-82	1	05-24-82	CR	CLOSED	NO	70163
1069	VALVES LCV 113 AND LCV 115 UNSUPPORTED	03-15-82	9	07-15-83	CR	CLOSED	YES	70164
1070	HORIZONTAL SOIL SPRING CALC DIFFER BY 50%	03-15-82	3	07-22-82	CR	CLOSED	NO	70165
1071	RLCA PIPING ANALYSIS 109-OVERSTRESS	03-23-82	4	09-09-82	CR	CLOSED	NO	70166
1072	TURBINE-DRIVEN AUX FEEDWATER PUMP	03-23-82	3	09-10-82	CR	CLOSED	NO	70167
1073	AUX SALTWATER PUMP BOLT STRESSES	03-23-82	3	07-08-82	CR	CLOSED	NO	70168
1074	RLCA PIPING ANALYSIS 101-STRESS DIFFERENCE	03-23-82	6	01-05-83	CR	CLOSED	NO	70169
1075	SUPPORTS 5007-R & 18-5R DIRECTION	03-31-82	3	06-19-82	CR	CLOSED	NO	70170
1076	SUPPORT 55S-3R DIRECTION	03-30-82	3	05-24-82	CR	CLOSED	NO	70171

STATUS OF PHASE I IDVP ITEMS

FILE NO.	SUBJECT	REV. 0 DATE	LATEST REV. NO.	LATEST REV. DATE	STATUS	ACTION REQ'D BY	PHY. MODS	PG&E TASK NO.
1077	HVAC DUCT SUPPORT	04-06-82	8	10-22-82	CR	CLOSED	NO	70173
1078	VENTILATION SYSTEM LOGIC PANEL POV1, POV2	04-19-82	3	07-13-82	CR	CLOSED	NO	70177
1079	AUX BLDG - FUEL HANDLING STRUCTURE	04-19-82	6	07-23-82	CR	CLOSED	NO	70178
1080	RLCA PIPING ANALYSIS 103 - STRESS DIFFERENCE	04-22-82	3	02-15-83	CR	CLOSED	NO	70179
1081	RLCA PIPING ANALYSIS 104 - STRESS DIFFERENCE	04-22-82	3	02-15-83	CR	CLOSED	NO	70180
1082	VALVE FCV-95 ANALYSIS	04-22-82	3	07-01-82	CR	CLOSED	NO	70181
1083	HVAC VOLUME DAMPER 7A	04-22-82	5	09-10-82	CR	CLOSED	NO	70182
1084	RLCA PIPING ANALYSIS 102	05-14-82	4	02-15-83	CR	CLOSED	NO	70187
1085	RLCA PIPING ANALYSIS 105	05-14-82	4	02-15-83	CR	CLOSED	NO	70188
1086	RLCA PIPING ANALYSIS 108	05-14-82	3	02-15-83	CR	CLOSED	NO	70189
1087	HOT SHUTDOWN REMOTE CONTROL PANEL	05-14-82	4	06-23-82	CR	CLOSED	NO	70190
1088	COMPONENT CLG WATER HEAT EXCHANGER	05-14-82	8	04-14-83	CR	CLOSED	NO	70191
1089	PIPE SUPPORT 3/30A	05-21-82	3	06-19-82	CR	CLOSED	NO	70199
1090	PIPE SUPPORT 11/92SL	05-21-82	3	06-19-82	CR	CLOSED	NO	70200
1091	AUX BLDG - FUEL HANDLING BUILDING	05-21-82	6	08-10-82	CR	CLOSED	NO	70201
1092	FUEL HANDLING BUILDING REEVALUATION (includes files 990, 991, 1027, 1079, and 1091)	06-11-82	6	08-10-82	ER/A	PG&E	NO	70204
1093	AUX BLDG - FAN RM AND VENTILATION RM	06-18-82	6	07-22-82	CR	CLOSED	NO	70205
1094	INTAKE STRUCTURE SOILS REVIEW	07-07-82	7	12-20-82	CR	CLOSED	NO	70206
1095	AUX BLDG - FLOOR RESPONSE SPECTRA	07-09-82	6	03-08-83	CR	CLOSED	NO	70207
1096	SUPPLY FAN S-31	07-09-82	6	02-25-83	CR	CLOSED	NO	70208
1097	AUXILIARY BUILDING SEISMIC REEVALUATION (includes files 920, 986, 1029, 1070, 1093, and 1132)	07-13-82	5	06-25-83	ER/AB	PG&E	NO	70209

STATUS OF PHASE I IDVP ITEMS

FILE NO.	SUBJECT	REV. 0 DATE	LATEST REV. NO.	LATEST REV. DATE	STATUS	ACTION REQ'D BY	PHY. MODS	PG&E TASK NO.
1098	PIPING SEISMIC REEVALUATION (includes files 961, 1021, 1058, 1059, 1060, 1104, 1115, 1126, 1137, 6001, and 6002)	07-14-82	9	07-06-83	ER/AB	PG&E	YES	70210
1099	CCW HX FIELD INSPECTION DEFICIENCY	08-04-82	6	02-25-83	CR	CLOSED	NO	70211
1100	HLA SOILS REVIEW - OD WATER STORAGE TANKS	08-16-82	3	11-11-82	CR	CLOSED	NO	70215
1101	HLA SOILS REVIEW - OD WATER STORAGE TANKS	08-16-82	6	12-03-82	CR	CLOSED	NO	70216
1102	HVAC DAMPER 7A	08-19-82	7	02-25-83	CR	CLOSED	NO	70217
1103	PIPE SUPPORTS ATTACHED TO AUXILIARY STEEL	08-31-82	9	04-15-83	CR	CLOSED	NO	70218
1104	RLCA PIPING ANALYSIS 110 LINES 4260 AND 3078	09-03-82	3	09-22-82	CR	CLOSED	YES	70219
1105	RLCA PIPING ANALYSIS 103 VALVES 8724A, 8726A, and 8728A	10-13-82	3	10-18-82	CR	CLOSED	NO	70242
1106	PIPING SAMPLES-NOZZLE LOADS AND VALVE ACCELERATIONS (includes file 1109)	11-01-82	8	06-23-83	CR	CLOSED	YES	70285
1107	PIPING ADDITIONAL SAMPLE 110	11-23-82	9	06-07-83	CR	CLOSED	YES	70319
1108	PIPING SAMPLE 110 DESIGN ANALYSIS 7-1	12-07-82	7	03-17-83	CR	CLOSED	NO	70324
1109	ADDITIONAL SAMPLE DESIGN ANALYSIS NOZZLE LOADS	12-07-82	3	12-10-82	CR	CLOSED	NO	70325
1110	CLASS 1 HVAC DUCT FROM FAN S-69 TO 4KV SWGR	12-08-82	6	03-18-83	CR	CLOSED	NO	70326
1111	PHASE II INDEPENDENT CALCULATIONS - PIPING AND PIPE SUPPORTS (This Phase II EOI was issued with an incorrect file number. File No. 1111 will be closed out and the EOI will be issued with a 6000 series file number)	12-21-82	5	01-20-83	CR	CLOSED	NO	70328
1112	SOILS-INTAKE STRUCTURE	12-29-82	6	02-22-83	CR	CLOSED	NO	70329
1113	CCW PUMP VERIFICATION ANALYSIS	02-01-83	3	02-04-83	CR	CLOSED	NO	70331
1114	ASW-VIRTUAL WATER MASS CONSTRIBUTION	02-15-83	3	03-14-83	CR	CLOSED	NO	70335

STATUS OF PHASE I IDVP ITEMS

FILE NO.	SUBJECT	REV. 0 DATE	LATEST REV. NO.	LATEST REV. DATE	STATUS	ACTION REQ'D BY	PHY. MODS	PG&E TASK NO.
1115	PHASE I IND. CALCS-CLASS I LARGE BORE PIPE SUPPORTS	02-16-83	3	02-25-83	CR	CLOSED	NO	70336
1116	MAIN STEAM ISOLATION VALVE FCV-41	02-18-83	3	02-22-83	CR	CLOSED	NO	70337
1117	INSTRUMENT AC POWER PANEL NATURAL FREQUENCY	03-16-83	3	04-19-83	CR	CLOSED	NO	70339
1118	SHAKE TABLE TESTING-480V VITAL LOAD CENTER	03-19-83	6	04-15-83	CR	CLOSED	NO	70341
1119	SHAKE TABLE TESTING-DC DISTRIBUTION PANEL	03-19-83	3	04-15-83	CR	CLOSED	NO	70342
1120	CONDENSER CR-35 MOUNTING BOLTS	03-22-83	6	05-07-83	CR	CLOSED	NO	70343
1121	HVAC COMPONENT-FILTER UNIT 39 ANCHOR BOLT	05-06-83	3	06-10-83	CR	CLOSED	NO	70346
1122*	LARGE BORE PIPE SUPPORTS 10/70SL FREQUENCIES	05-12-83	4	08-02-83	CR	CLOSED	NO	70347
1123	INSTRUMENT TUBING SUPPORT	05-13-83	3	07-13-83	CR	CLOSED	NO	70348
1124*	AUXILIARY BUILDING SPECTRA GENERATION	05-14-83	6	07-25-83	CR	CLOSED	NO	70349
1125	HVAC COMPRESSOR CP35, 36 VERTICAL SPECTRA	05-20-83	3	06-09-83	CR	CLOSED	NO	70350
1126	PIPING - SIF APPLICATION	05-20-83	3	06-25-83	CR	CLOSED	NO	70351
1127	HVAC SUPPLY FANS S-1, 2 FREQUENCY	05-25-83	3	06-16-83	CR	CLOSED	NO	70352
1128	STATION BATTERY RACK STRUCTURAL BOLT	05-31-83	3	06-28-83	PRR/OIP	PG&E	NO	70353
1129	LARGE BORE PIPE SUPPORT 56S/3A	06-03-83	3	06-28-83	CR	CLOSED	NO	70354
1130	COMPONENT COOLING WATER LUBE OIL FILTER	06-03-83	3	06-30-83	CR	CLOSED	NO	70355
1131	LARGE BORE PIPE SUPPORTS 58S/16V AND 63/26V	06-06-83	3	06-24-83	CR	CLOSED	NO	70356
1132	AUXILIARY BUILDING MEMBER EVALUATIONS	06-06-83	3	06-27-83	CR	CLOSED		70357
1133	LARGE BORE PIPING ANALYSIS - VALVE 9003A MODELING	06-13-83	3	07-06-83	CR	CLOSED	NO	70359

STATUS OF PHASE I IDVP ITEMS

FILE NO.	SUBJECT	REV. 0 DATE	LATEST REV. NO.	LATEST REV. DATE	STATUS	ACTION REQ'D BY	PHY. MODS	PG&E TASK NO.
1134	HVAC DUCT AND DUCT SUPPORT FREQUENCY	06-15-83	0	06-15-83	OIR	IDVP		70360
1135	LARGE BORE PIPING ANALYSIS - VALVES LCV-113, 115	06-16-83	3	07-06-83	CR	CLOSED	NO	70361
1136	COMPONENT COOLING WATER SURGE TANK BOLT AND SHELL STRESSES	06-16-83	3	07-07-83	CR	CLOSED	NO	70362
1137	LARGE BORE PIPING ANALYSIS 4-101, VALVE WEIGHT	06-21-83	3	07-06-83	CR	CLOSED	NO	70363
1138*	LARGE BORE PIPING ANALYSIS 9-108, SIF	07-25-83	0	07-25-83	OIR	IDVP	NO	70365
1139*	SMALL BORE PIPE SUPPORT 2159/2, CALCULATION	07-26-83	1	08-03-83	PER/C	IDVP	NO	70366
1140*	FIRE PUMP CORRECTIVE ACTION PROGRAM ANALYSIS SQE-7.1	07-29-83	0	07-29-83	OIR	IDVP	TBD	70367
1141*	SMALL AND LARGE BORE PIPING PROCEDURE P-11	08-02-83	0	08-02-83	OIR	IDVP	NO	70368
3000	HARDING LAWSON ASSOCIATES QA REPORT	05-24-82	2	06-22-82	CR	CLOSED	NO	70192
3001	EES (CYGNA) QA REPORT	05-24-82	2	06-22-82	CR	CLOSED	NO	70193
3002	ANCO QA REPORT	05-24-82	2	06-22-82	CR	CLOSED	NO	70194
3003	WYLE LABORATORIES QA REPORT	05-24-82	2	06-22-82	CR	CLOSED	NO	70195
3004	PG&E QA REPORT	05-24-82	2	06-22-82	CR	CLOSED	NO	70196
3005	URS/BLUME QA REPORT	05-24-82	2	06-22-82	CR	CLOSED	NO	70197
3006	CONTAINMENT ANNULUS STRUCTURE	10-05-82	2	11-03-82	CR	CLOSED	YES	70236
3007	CONTAINMENT ANNULUS STRUCTURE	10-05-82	2	11-03-82	CR	CLOSED	YES	70237
3008	CONTAINMENT ANNULUS STRUCTURE - WELD UNDERSIZED	11-23-82	2	12-22-82	CR	CLOSED	YES	70317

STATUS OF OPEN PHASE I EOIs IDENTIFIED BY THE IDVP

EOI FILE NO.	TITLE	ACTION REQ'D	IDVP REPORT STATUS	DCP ESTIMATED DELIVERY DATE	
				RESOLUTION PACKAGE	COMPLETION PACKAGE
938*	Valve Orientation (includes file 1105)	IDVP	OIR	DONE	DONE
983*	Raceway Support Reevaluation (includes files 910 and 930)	Project	ER/A	DONE	DONE
1014*	Containment Seismic Review (includes files 977, 1009, 3006, 3007, and 3008)	Project	ER/AB	DONE	DONE
1026	Turbine Building Seismic Review (includes files 982, 984, 989, 1010, and 1025)	Project	ER/AB	DONE	DONE
1028	Auxiliary Building Horizontal Acceleration	IDVP	OIR	DONE	DONE
1092	Fuel Handling Building Reevaluation (includes files 990, 991, 1027, 1079, and 1091)	Project	ER/A	DONE	DONE
1097*	Auxiliary Building Seismic Reevaluation (includes files 920, 986, 1029, 1070, 1093, and 1132)	Project	ER/AB	DONE	DONE
1098	Piping Seismic Reevaluation (includes files 961, 1021, 1058, 1059, 1060, 1104, 1115, 6001, 6002, 1126, and 1137)	Project	ER/AB	DONE	DONE

LEGEND

TBD = To Be Determined

STATUS OF OPEN PHASE I EOIs IDENTIFIED BY THE IDVP

EOI FILE NO.	TITLE	ACTION REQ'D	IDVP REPORT STATUS	DCP ESTIMATED DELIVERY DATE	
				RESOLUTION PACKAGE	COMPLETION PACKAGE
1128	Station Battery Rack Structural Bolt	Project	PRR/OIP	DONE	DONE
1134*	HVAC Duct and Duct Supports - Frequency	IDVP	OIR	TBD	TBD
1138*	Large Bore Piping Analysis 9-108, SIF	IDVP	OIR	08/09/83	08/09/83
1139*	Small Bore Pipe Support 2159/2, Calculation	IDVP	PER/C	DONE	DONE
1140*	Fire Pump Corrective Action Program Analysis SQE-7.1	IDVP	OIR	08/09/83	08/09/83
1141*	Small and Large Bore Piping Procedure P-11	IDVP	OIR	08/12/83	08/12/83

STATUS OF PHASE II IDVP ITEMS

FILE NO.	SUBJECT	REV. 0 DATE	LATEST REV. NO.	LATEST REV. DATE	STATUS	ACTION REQ'D BY	PHY. MODS	PG&E TASK NO.
6001	PHASE II INDEPENDENT CALCULATIONS - PIPING AND PIPE SUPPORTS	01-10-83	3	01-13-83	CR	CLOSED	NO	70330
6002	REANALYSIS OF RUPTURE RESTRAINTS	02-04-83	3	02-25-83	CR	CLOSED	NO	70334
7001	GEZ QA AUDIT & REVIEW REPORT - HVAC SYSTEM	10-11-82	2	02-02-83	CR	CLOSED	NO	70262
7002*	PG&E QA AUDIT & REVIEW REPORT - CONTAINMENT COMPONENT	10-11-82	6	08-02-83	CR	CLOSED	NO	70263
7003	PG&E QA AUDIT & REVIEW REPORT - CONTAINMENT ISOLATION SYSTEM	11-23-82	6	03-09-83	CR	CLOSED	NO	70320
7004	QUADREX/PG&E QA AUDIT & REVIEW REPORT - THERMAL HYDRAULIC ANALYSIS	11-29-82	5	02-04-83	CR	CLOSED	NO	70321
7005	QUADREX QA AUDIT & REVIEW REPORT - EQUIP OUTSIDE CONTAINMENT ENVIR QUALIF	11-29-82	5	02-04-83	CR	CLOSED	NO	70322
7006	PG&E/RRA QA AUDIT & REVIEW REPORT - RADIATION DOSAGE ANALYSIS	11-29-82	2	02-02-83	CR	CLOSED	NO	70323
8001	NSC ENVIRONMENTS - COMPUTER CODE (includes files 7004, 7005, 8003, 8006, 8033, and 8034)	09-09-82	7	06-02-83	CR	CLOSED	NO	70220
8002	NSC MASS-ENERGY RELEASE CALCULATION ENTRAINMENT	09-09-82	13	02-25-83	CR	CLOSED	NO	70221
8003	NSC VALUE OF BLOWDOWN ENTHALPY FOR PRESSURE AND TEMPERATURE ANALYSIS	09-09-82	9	02-22-83	CR	CLOSED	NO	70222
8004	NSC INITIAL TEMPERATURES FOR PRESSURE AND TEMPERATURE ANALYSIS	09-09-82	13	02-25-83	CR	CLOSED	NO	70223
8005	ASSUMPTIONS FOR SUBMERGENCE ANALYSIS	09-09-82	10	02-10-83	CR	CLOSED	NO	70224

STATUS OF PHASE II IDVP ITEMS

FILE NO.	SUBJECT	REV. 0 DATE	LATEST REV. NO.	LATEST REV. DATE	STATUS	ACTION REQ'D BY	PHY. MODS	PG&E TASK NO.
8006	NSC PRESSURE AND TEMPERATURE ANALYSIS INPUT DATA	09-09-82	9	01-24-83	CR	CLOSED	NO	70225
8007	PIPE RESTRAINT 1030 - 14RT LOCATION	09-13-82	6	03-10-83	CR	CLOSED	NO	70226
8008	PIPE RESTRAINT 1031-11RT LOCATION	09-13-82	6	03-10-83	CR	CLOSED	NO	70227
8009	AFWS DISCHARGE PIPING DESIGN PRESSURE	09-13-82	11	06-03-83	CR	CLOSED	YES	70228
8010	AFW TURBINE THROTTLE VALVE	09-13-82	12	06-02-83	CR	CLOSED	YES	70229
8011	ELECTRICAL CABLE ENVIRONMENT QUALIFICATION	09-23-82	6	02-25-83	CR	CLOSED	NO	70230
8012	POWER SUPPLIES TO CRVP EQUIPMENT	09-23-82	11	06-24-83	CR	CLOSED	YES	70231
8013	EMERGENCY DIESEL GEN TEST DATA	09-23-82	10	03-11-83	CR	CLOSED	NO	70232
8014	AFW SYSTEM CONTROL VALVE PIPE BREAK PROTECTION	09-23-82	10	04-06-83	CR	CLOSED	NO	70233
8015	AFW SYSTEM FLOW MEASUREMENT	09-27-82	10	02-25-83	CR	CLOSED	NO	70234
8016	POWER SUPPLIES TO CRVP EQUIPMENT	09-27-82	9	03-28-83	CR	CLOSED	NO	70235
8017	HVAC CONTROL TRANSFER SWITCH ELECTRICAL SEPARATION	10-04-82	9	06-03-83	CR	CLOSED	YES	70238
8018	CLASS 1 QUALIFICATION OF FCV 37 AND FCV 38	10-04-83	8	03-09-83	CR	CLOSED	NO	70239
8019	EQUIP FOR AFW PUMPS IN SAME FIRE ZONE 3-Q-2	10-05-82	6	02-25-83	CR	CLOSED	NO	70240
8020	FIRE PROTECTION/SEPARATION CRVP SYSTEM	10-04-82	6	04-07-83	CR	CLOSED	NO	70241
8021	FIRE PROTECTION/SEPARATION AFW SYSTEM	10-13-82	15	06-03-83	CR	CLOSED	NO	70243
8022	KA SIZING OF 4KV CKT BREAKERS	10-12-82	10	04-12-83	CR	CLOSED	NO	70244
8023	480V UNDER VOLTAGE FOR LOCA	10-12-82	6	03-16-83	CR	CLOSED	NO	70245
8024	480V UNDER VOLTAGE FOR NORMAL OPERATION	10-12-82	6	03-16-83	CR	CLOSED	NO	70246

STATUS OF PHASE II IDVP ITEMS

FILE NO.	SUBJECT	REV. 0 DATE	LATEST REV. NO.	LATEST REV. DATE	STATUS	ACTION REQ'D BY	PHY. MODS	PG&E TASK NO.
8043	AFWS REDUNDANT POWER SUPPLY SEPARATION	10-22-82	8	02-25-83	CR	CLOSED	NO	70267
8044	AFWS CABLE SPLICES IN CONTROL CIRCUITS	10-22-82	10	04-07-83	CR	CLOSED	NO	70268
8045	DIESEL GEN CONTROL CIRCUIT SEPARATION	10-22-82	8	02-09-83	CR	CLOSED	NO	70269
8046	CRVP FANS: POWER AND CONTROL CIRCUIT SUPPLIES	10-22-82	6	03-15-83	CR	CLOSED	NO	70270
8047	STEAM GENERATOR BLOWDOWN VALVES CLOSURE - RELAY 3AFWP	10-22-82	6	04-07-83	CR	CLOSED	NO	70271
8048	AFW HOSE STATION DESIGN CHANGE	10-25-82	6	02-11-83	CR	CLOSED	NO	70272
8049	AFW SYSTEM-PIPE BREAK IN LINE 594	10-25-82	16	05-09-83	CR	CLOSED	NO	70273
8050	CRVP SYSTEM MODERATE ENERGY LINE BREAKS	10-25-82	6	03-15-83	CR	CLOSED	NO	70274
8051	AFW SYSTEM-PRESSURE TRANSMITTER PT-432 CLASSIFICATION	10-25-82	6	03-09-83	CR	CLOSED	NO	70275
8052	AFWS CLASS 1E INSTRUMENTS ENVIRONMENT QUALIFICATION	10-25-82	6	02-25-83	CR	CLOSED	NO	70276
8053	CRVP SYSTEM RADIATION MONITORS CLASSIFICATION	10-25-82	7	02-25-83	CR	CLOSED	NO	70277
8054	AFWS CABLE CODING AND SEPARATION	10-25-82	6	03-15-83	CR	CLOSED	NO	70278
8055	AFW PUMP DISCH PRESS IND.PI-52A, PI-53A SEPARATION	10-25-82	6	03-11-83	CR	CLOSED	NO	70279
8056	CRVP SYSTEM - EQUIPMENT ENVIRONMENT QUALIFICATION	10-25-82	6	02-25-83	CR	CLOSED	NO	70280
8057	AFW, CRVP CONTROL PANELS SEPARATION	10-25-82	9	06-24-83	CR	CLOSED	YES	70281

STATUS OF PHASE II IDVP ITEMS

FILE NO.	SUBJECT	REV. 0 DATE	LATEST REV. NO.	LATEST REV. DATE	STATUS	ACTION REQ'D BY	PHY. MODS	PG&E TASK NO.
8058	AFWS LCVS ENVIRONMENT QUALIFICATION	10-29-82	6	03-09-83	CR	CLOSED	NO	70282
8059	AFWS AND CRVP CLASS 1E CIRCUIT SEPARATION	10-29-82	6	04-07-83	CR	CLOSED	NO	70283
8060	AFW PUMP FLOW LIMITING CONTROL	10-29-82	6	03-15-83	CR	CLOSED	NO	70284
8061	AFW & CRVP MOTORS STARTING CAPABILITY OF 80% VOLTAGE	11-09-82	10	03-15-83	CR	CLOSED	NO	70307
8062	AFW CONTROL VALVES MAX. DIFF. PRESSURE	11-18-82	9	06-02-83	CR	CLOSED	YES	70314
8063	AFW PUMP OVERCURRENT RELAY SETTINGS	11-22-82	9	04-12-83	CR	CLOSED	NO	70318
8064	AFW SYSTEM COMPONENTS POM 110, 111, 113, AND 115 ENVIRONMENT QUALIFICATION	02-15-83	6	04-07-83	CR	CLOSED	NO	70338
8065*	JET IMPINGEMENT REVIEW DISCREPANCY	06-08-83	6	07-20-83	CR	CLOSED	NO	70358
9001	BOTTOM MOUNTED INSTR. WELD DEFICIENCIES	11-02-82	3	02-22-83	CR	CLOSED	NO	70286
9002	BOTTOM MOUNTED INSTR. WELD SIZING APPROVAL	11-02-82	3	02-09-83	CR	CLOSED	NO	70287
9003	SEAL TABLE FILLET WELD UNDERSIZING	11-02-82	3	01-17-83	CR	CLOSED	NO	70288
9004	THIMBLE GUIDE TUBES ULTRASONIC TESTING	11-02-82	3	01-17-83	CR	CLOSED	NO	70289
9005	WELDING PROCEDURES-WELDER'S REQUALIFICATION	11-02-82	3	01-17-83	CR	CLOSED	NO	70290
9006	SEAL LEAK DETECTION TUBING MATERIAL DESCRIPTIONS	11-02-82	3	02-22-83	CR	CLOSED	NO	70291
9007	BOTTOM MOUNTED INSTR. FILLET WELD UNDERSIZING	11-02-82	3	02-25-83	CR	CLOSED	NO	70292
9008	CONTAINMENT EXTERIOR CONCRETE SURFACE FINISH	11-02-82	3	01-17-83	CR	CLOSED	NO	70293
9009	BMI-VESSEL CONNECTION RADIOGRAPH REVIEWS	11-02-82	3	01-17-83	CR	CLOSED	NO	70294
9010	DOCUMENTATION OF WELDING PROCEDURE REVIEWS	11-02-82	3	01-17-83	CR	CLOSED	NO	70295
9011	RC PIPING TRAVELER, VISUAL EXAMINATION	11-02-82	3	01-17-83	CR	CLOSED	NO	70296

ATTACHMENT III

OUTSTANDING
IDVP REQUESTS FOR INFORMATION

LEGEND

* One asterisk denotes a revision since the last report.

** Two asterisks denote an addition since the last report.

OUTSTANDING IDVP REQUESTS FOR INFORMATION

REQUEST NO.	DATE OF REQUEST	DESCRIPTION OF REQUEST	ESTIMATED DELIVERY DATE	RESPONSIBLE GROUP
RLCA-980-1*	08-01-83	Clarification of calculation MP-983 (ITR-62)	TBD	PIPING
RLCA-982*	07-08-83	Clarification of raceway S-6 braces (ITR-64)	08/15/83	CIVIL
RLCA-1012*	07-18-83	Copy of response to TES RFI 0295 (ITR-55)	08/12/83	CIVIL
RLCA-1023**	07-22-83	Clarification of calculation 300C-2 (ITR-54)	08/12/83	CIVIL
RLCA-1025**	07-25-83	Listed FMB calculations and index (ITR-57)	08/12/83	CIVIL
RLCA-1036**	08-01-83	Clarification of listed items for calculation 250C-2 (ITR-54)	08/10/83	CIVIL
RLCA-1037**	08-01-83	Clarification of assumed yoke mid-height cross-sectional properties for listed LCV valves (ITR-67)	TBD	PIPING
RLCA-1039**	08-01-83	Confirmation completion index (ITR-67)	TBD	MECH HVAC PIPING
RLCA-1040**	08-01-83	Confirmation completion index (ITR-54)	08/11/83	CIVIL
RLCA-1042**	08-01-83	Confirmation completion index (ITR-56)	08/10/83	CIVIL
RLCA-1047**	08-01-83	Confirmation completion index (ITR-61)	TBD	PIPING
RLCA-1048**	08-01-83	Confirmation completion index (ITR-62)	TBD	PIPING

OUTSTANDING IDVP REQUESTS FOR INFORMATION

REQUEST NO.	DATE OF REQUEST	DESCRIPTION OF REQUEST	ESTIMATED DELIVERY DATE	RESPONSIBLE GROUP
RLCA-1050**	08-01-83	Confirmation completion index (ITR-63)	08/10/83	CIVIL
RLCA-1051**	08-01-83	Confirmation completion index (ITR-64)	08/10/83	CIVIL
RLCA-1052**	08-01-83	Confirmation completion index (ITR-66)	TBD	INSTR
RLCA-1054**	08-02-83	Clarification of stresses LCV-110 and fire pumps (ITR-67)	TBD	PIPING
RLCA-1057**	08-03-83	Modifications delineated in analysis ITS-5 tubing supports (ITR-66)	TBD	INSTR
RLCA-1058**	08-03-83	List of modifications, containment (ITR-54)	TBD	CIVIL
RLCA-1059**	08-03-83	Clarification of Hosgri licensing criteria (ITR-56)	08/10/83	CIVIL
RLCA-1060**	08-03-83	List of modifications, turbine building (ITR-56)	TBD	CIVIL
RLCA-1061**	08-03-83	List of modifications, FHB (ITR-57)	TBD	CIVIL
RLCA-1063**	08-03-83	List of modifications, LBP (ITR-59)	TBD	PIPING
RLCA-1064**	08-03-83	List of modifications, LBS (ITR-60)	TBD	PIPING
RLCA-1065**	08-03-83	List of modifications, SBP (ITR-61)	TBD	PIPING
RLCA-1067**	08-03-83	List of modifications, HDS (ITR-63)	TBD	CIVIL
RLCA-1068**	08-03-83	List of modifications, raceways (ITR-64)	TBD	CIVIL
RLCA-1070**	08-03-83	Clarification of calculation HV-104 (ITR-63)	08/10/83	CIVIL

OUTSTANDING IDVP REQUESTS FOR INFORMATION

REQUEST NO.	DATE OF REQUEST	DESCRIPTION OF REQUEST	ESTIMATED DELIVERY DATE	RESPONSIBLE GROUP
RLCA-1072**	08-04-83	Clarification of soils analysis	08/16/83	CIVIL
RLCA-1074**	08-05-83	Clarification of HV-88 (ITR-63)	08/12/83	CIVIL
RLCA-1075**	08-05-83	Clarification of calculation A-22 (ITR-60)	TBD	PIPING
RLCA-1076**	08-08-83	Auxiliary building DE/DDE calculation file (ITR-55)	08/16/83	CIVIL
RLCA-1077**	08-08-83	Listed drawings and BSAP output for calculation S-330 (ITR-65)	08/16/83	CIVIL
RLCA-1078**	08-05-83	Clarification of stresses, CCW lube oil cooler (ITR-67)	TBD	MECH
TES-0280*	06-29-83	Clarification of containment model frequencies and peak responses	TBD	CIVIL
TES-0295*	07-15-83	Clarification of listed auxiliary building items for Phase I final report (RLCA-1012)	08/12/83	CIVIL
TES-0303**	08-04-83	Copies of responses to RLCA RFIs 1039-1052	TBD	MECH HVAC ELECTR PIPING INSTR
TES-0304**	08-04-83	Calculation M-349	TBD	PIPING
TES-0305**	08-05-83	Listed annulus calculations	08/15/83	CIVIL

ATTACHMENT IV

OPEN ITEMS

LEGEND

* Asterisk denotes item with revisions this reporting period.

** Status of piping issues in general are reflected in Tables 2 and 4.

*** Status of civil/structural issues in general are reflected in Tables 3 and 4.

1. TASK: The number assigned by PGandE for tracking.

2. INITIATING DOCUMENT: The document which first identified the open item to the IDVP.

3. IDENT DATE: The date the problem was identified (year-month-day).

4. ECD: Estimated completion date.

Note 1: Task numbers are not necessarily sequential for this listing. All 70000 series task numbers are dedicated to IDVP items or OIs.

Note 2: The error class and percent complete for modifications are no longer applicable for the open item noted. The physical modifications are correlated with Open Item No. 37.

Attachment IV
Page 1

STATUS OF PGandE OPEN ITEMS

TASK	INITIATING DOCUMENT	IDENT DATE	ECD	DESCRIPTION	STATUS DESCRIPTION OF RESOLUTION	CONCLUSIVE STATEMENT OF RESOLUTION	REFERENCE TO ITP PHASE I FINAL REPORT	ERROR CLASS PER IDVP	% ANALYSIS COMPLETE	% MODIFICATIONS COMPLETE
70098	Semimonthly Status Report No. 7 Other Findings, Item 1	820212	830406 CLOSED	PG&E Open Item: Modeling of all annulus area valves was reviewed. Six were found to be modeled incorrectly.	The initial concern addressed inappropriate modeling of valve eccentric masses at the pipe center line and all analyses were reviewed to locate modeling errors of this type. The Internal Technical Program includes review and reanalysis, as necessary, for other valve modeling issues such as extended structure stiffness, valve weights and location of the extended mass center of gravity.	New piping analyses have been performed. These analyses used the as-built configuration as input,and the valves were modeled in accordance with DCP Procedure P-11. All pipe stresses are within allowable values. This OI is closed; valve modeling for piping reevaluation is addressed in OI 37.	Section 2.2.1, 2.2.1.3.3.2, 2.2.2 2.2.2.3.1.2	Note 2	100	NA
70099	Semimonthly Status Report No. 7 Other Findings, Item 2	820212	820521 CLOSED	PG&E Open Item: The digitization of the east-west translational Hosgri spectra for the 140 ft elevation in the auxiliary building has been found to contain an error.	All piping analyses were reviewed to identify affected piping. One analysis was found to need reanalysis. This piping analysis was rerun.	Reanalysis is complete, and support redesign and qualification are complete. This item is closed.	Section 2.1.2	A	100	100

STATUS OF PG&E OPEN ITEMS

TASK	INITIATING DOCUMENT	IDENT DATE	ECD	DESCRIPTION	STATUS DESCRIPTION OF RESOLUTION	CONCLUSIVE STATEMENT OF RESOLUTION	REFERENCE TO ITP PHASE I FINAL REPORT	ERROR CLASS PER IDVP	% ANALYSIS COMPLETE	% MODIFICATIONS COMPLETE
70100*	Semimonthly Status Report No. 7 Other Findings, Item 3	820212	830901	PG&E Open Item: The method used to calculate raceway weights may have resulted in an underestimation of the weights of some conduits. A thorough reverification program for all raceway supports will be conducted.	A review of all safety-class raceway supports is being conducted. The supports either will be qualified by analysis or will be modified.		Section 2.4	A or B	***	***
70101	Semimonthly Status No. 7 Other Findings, Item 4	820212	820315 CLOSED	PG&E Open Item: Review of all Unit 1 small bore piping has identified 42 supports requiring vertical restraint where only a single rod was utilized. Modification of these supports will be made.	All small bore piping single rod supports required to function as vertical restraints will be identified and modified to provide restraint to both upward and downward movement.	Forty-two single rod supports were found in locations which required vertical restraint and these supports have been modified to prevent uplift. This item is closed.	Section 2.2.4.1.1	A	100	100
70102	Semimonthly Status Report No. 7 Other Findings, Item 5	820212	830514 CLOSED	PG&E Open Item: One valve list in the Hosgri report was not updated as required by a licensing commitment .	A complete listing of all Design Class 1 active valves will be prepared and reviewed to ensure that the valves are qualified.	DCM M-58 has been prepared and issued which identifies all active valves to be seismically qualified as well as corresponding allowable accelerations and natural frequencies. This OI is closed; the qualification of the valves is addressed in OI37.	Section 2.2.1 2.2.1.3.4 2.2.2.3.2.2	A or B	100	NA

STATUS OF PGandE OPEN ITEMS

TASK	INITIATING DOCUMENT	IDENT DATE	ECD	DESCRIPTION	STATUS DESCRIPTION OF RESOLUTION	CONCLUSIVE STATEMENT OF RESOLUTION	REFERENCE TO ITP PHASE I FINAL REPORT	ERROR CLASS PER IDVP	% ANALYSIS COMPLETE	% MODIFICATIONS COMPLETE
70103	Semimonthly Status Report No. 7 Other Findings, Item 6	820212	820420 CLOSED	PG&E Open Item: Certain small bore piping spans have been identified as deviating from seismic criteria. Review and analysis will be performed to determine extent and significance.	A large sample of small bore piping has been reviewed and overspans identified. Analysis has been completed to identify those spans which may incur seismic stresses exceeding allowables. The percentage of spans in this class relative to the total population is 0.19% Design instructions to add supports which would eliminate piping overstress were issued. Verification of support qualifications associated with overspans is complete and all supports reviewed were found to comply with the original acceptance criteria.	This item is closed for the specific issue identified. However, the generic issue of small bore piping overspans is addressed in the Internal Technical Program.	Section 2.2.2, 2.2.2.3.3, 2.2.4, 2.2.4.3.2.2	A	100	100

STATUS OF [redacted] OPEN ITEMS

TASK	INITIATING DOCUMENT	IDENT DATE	ECD	DESCRIPTION	STATUS DESCRIPTION OF RESOLUTION	CONCLUSIVE STATEMENT OF RESOLUTION	REFERENCE TO ITP PHASE I FINAL REPORT	ERROR CLASS PER IDVP	ANALYSIS COMPLETE	% MODIFICATIONS COMPLETE
70104	Semimonthly Status Report No. 7 Other Findings, Item 7	820212	830406 CLOSED	PG&E Open Item: Piping review of the annulus revealed two thermal analyses which used incorrect modeling of supports.	The two thermal analyses have been rerun and supports qualified. Also, all thermal analyses are being reviewed as part of the Internal Technical Program and those found to contain support modeling errors are being rerun and associated supports are being requalified.	New design analyses have been performed. These analyses used the as-built configuration as input. All stresses are within allowable values. This OI is closed; the review of all other thermal analyses for the piping evaluation is addressed in OI 37.	Section 2.2.1, 2.2.1.3.2.1, 2.2.2, 2.2.2.3.2.1 2.2.2.3.3	Note 2	100	NA
70105*	Semimonthly Status Report No. 7 Other Findings, Item 8	820212	830901	PG&E Open Item: Piping with supports attached to the containment internal structure above elevation 140 ft were dynamically analyzed using 140 ft containment interior spectra. In addition, piping, electrical raceways and supports attached to containment exterior pipeway were analyzed using containment exterior spectra. Further analysis is being performed to verify appropriateness of these assumptions.	Appropriate spectra have been developed. The new spectra are being compared to spectra used in the previous qualifications. Where qualifying spectra do not envelope the new spectra, analyses will be performed to qualify piping systems and electrical raceway to criteria. Modifications will be performed, as required.	The appropriate spectra have been developed. DCM C-17 includes Hosgri spectra for the containment interior above El. 140' and for the pipeway. DCMs C-25 and C-30 include DDE and DE spectra for the interior structure above El. 140'. The DDE and DE spectra for the containment exterior in DCMs C-25 and C-30 are to be used for the pipeway.	Section 2.2.1, 2.2.1.3.2.2, 2.2.2, 2.2.2.3.2.1, 2.2.2.3.3 2.4	A or B	80 (non-piping) 100 (piping)	50 (non-piping)

STATUS OF PGandE OPEN ITEMS

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70106	Semimonthly Status Report No. 7 Other Findings, Item 9	820212	830406 CLOSED	PG&E Open Item: One case of a pipe support design with fewer pipe lugs than required by design criteria, resulting in local pipe overstress, has been identified.	All welded pipe attachment designs are being reviewed and qualified or redesigned. Included in this review are local pipe stress effects.	The pipe support identified has been modified to reflect the current piping analysis. This OI is closed; the review of all pipe supports against pipe lug design criteria for the piping reevaluation is addressed in OI 37.	Section 2.2.3, 2.2.3.3.1, 2.2.4 2.2.4.3.1.4	Note 2	100	NA
70107	Semimonthly Status Report No. 7 Other Findings, Item 10	820212	830406 CLOSED	PG&E Open Item: Seven analyses were identified for which the spectra sets used were not enveloped by the appropriate revised reoriented spectra.	The seven analyses have been rerun using appropriate spectra sets and all remaining piping analyses are being reviewed to assure use of appropriate spectra. Where required, analyses are being rerun. Modification are being performed as required.	New design analyses have been performed. The current design analyses used the appropriate spectra in accordance with DCP Procedures P-11 and P-29. This OI is closed; the review of the remaining analyses and qualification of the associated pipe supports for the piping reevaluation are addressed in OI 37.	Section 2.2.1, 2.2.1.3.2.2, 2.2.2 2.2.2.3.2.1 2.2.2.3.3	Note 2	100	NA
70108	Semimonthly Status Report No. 7 Other Findings, Item 11	820212	820910 CLOSED	PG&E Open Item: Dynamic properties used in the seismic qualification of the plant exhaust vent will be reviewed.	The plant vent design was was reviewed. An appropriate model was developed. A dynamic analysis was performed.	A dynamic analysis of the plant vent has been completed. The vent and its supports have been determined to meet criteria. This item is closed.	None	B	100	NA

STATUS OF OPEN ITEMS

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70109*	Semimonthly Status Report No. 7 Other Findings Item 12	820212	830901	PG&E Open Item: Some masses were represented incorrectly in the formulation of the vertical dynamic model of the containment interior structure. An investigation will be made to determine the significance of this matter.	A design review of the vertical dynamic model has been made to determine the significance for the containment interior structure. Revised floor response spectra have been generated for three frames: frame 2 and 3 at elevation 101 ft, and frame 5 at elevation 140 ft of the model. Piping and equipment will be reiewed for the effect of these spectra changes and where required, reanalysis will be performed.	Piping analyses were found to be unaffected by the spectra changes. Qualifying spectra are found to envelope the new spectra. This item is closed for piping (820604). Equipment review is continuing as part of the Internal Technical Program.	Section 2.1.1	B	100 (for piping)	NA
70141	Semimonthly Status Report No. 8 Open Item 13	820127	830406 CLOSED	PG&E Open Item: Numerous discrepancies have been identified between the as-built piping configurations and the piping isometric drawings.	Audits, drawing revisions and, as necessary, plant modifications are being performed. Field as-built checks are being conducted to verify design information.	This OI is closed. The concerns related to as-built piping configurations for the piping reevaluation are addressed in the DCP Corrective Action Program for piping and in OI 37.	Section 2.2.1, 2.2.1.3.2.1, 2.2.2, 2.2.2.3.2.1, 2.2.2.3.3	Note 2	100	NA

STATUS OF PGandE OPEN ITEMS

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70142	Semimonthly Status Report No. 8 Open Item 14	820224	820421 CLOSED	PG&E Open Item: A deficiency in the small bore seismic anchor movement design criteria document was found during review & requalification of small bore piping for attached large bore piping revised seismic displacements. The instruction for projection of skewed lines into effective lengths for the appropriate planes resulted in greater span lengths than the true projected length. The instruction will be revised and all small bore piping reviewed and qualified.	The instruction was corrected. Small bore piping attached to dynamically analyzed large bore piping was reviewed and reanalyzed using correct projected span lengths.	Small bore piping attached to dynamically analyzed large bore piping has been reviewed and analyzed. No modifications were found to be required. This item is closed.	Section 2.2.2	C	100	NA
70143	Semimonthly Status Report No. 9 Open Item 15	820309	830406 CLOSED	PG&E Open Item: Documentation for qualification of certain small bore piping support standard details for bidirectional loading cannot be located. The existing standard details will be requalified.	The standard support details have been qualified and modifications will be performed, if required. The effects of spectra revisions and insulation weight was included in the review.	The load capacity rating for small bore pipe support standard details has been performed. This OI is closed; the acceptance of installation of small bore piping for the piping reevaluation is addressed in OI 37.	Section 2.2.4, 2.2.4.3.1.1	Note 2	100	NA

STATUS OF PGa[illegible]PEN ITEMS

TASK	INITIATING DOCUMENT	IDENT DATE	ECD	DESCRIPTION	STATUS DESCRIPTION OF RESOLUTION	CONCLUSIVE STATEMENT OF RESOLUTION	REFERENCE TO ITP PHASE I FINAL REPORT	ERROR CLASS PER IDVP	% ANALYSIS COMPLETE	% MODIFICATIONS COMPLETE
70144	Semimonthly Status Report No. 9 Open Item 16	820309	830406 CLOSED	PG&E Open Item: The existing file 44 Hosgri horizontal seismic coefficient for the auxiliary building at elevation 163 ft is 5 ft. It should be 8.5.	The file 44 horizontal and vertical seismic coefficients have been verified for consistency with current spectra. Changes are being reviewed for effect on design and modifications performed, if required.	The horizontal and vertical seismic coefficients have been verified for consistency with current spectra and the pertinent DCM. This OI is closed; the qualification of the affected piping and pipe supports for the piping reevaluation is addressed in OI 37.	Section 2.2.4, 2.2.4.3.1.1, 2.2.4.3.2.2	Note 2	100	NA
70145	Semimonthly Status Report No. 9 Open Item 17	820309	830406 CLOSED	PG&E Open Item: Seismic anchor movement (SAM) effects were not addressed for large bore PG&E design Class I lines that were installed by span criteria and attached to computer analyzed lines.	All large bore piping have been analyzed by computer. The effects of SAM has been considered.	All large bore Class I lines have been identified and reanalyzed by computer dynamic analysis techniques, which include the SAM effects. The OI is closed; the requalification of pipe supports for the piping reevaluation is addressed in OI 37.	Section 2.2.1, 2.2.1.3.1.1	Note 2	100	NA
70146*	Semimonthly Status Report No. 9 Open Item 18	820309	830901	PG&E Open Item: Class I equipment for the auxiliary saltwater system in the intake structure were qualified to the Hosgri ground response spectra instead of the floor response spectra.	Seismic analyses for auxiliary saltwater system piping and electrical conduit are reviewed to assure that qualification is maintained. Qualification has been demonstrated for the auxiliary saltwater pumps.	Correct floor response spectra have been developed. Qualification has been demonstrated for the auxiliary saltwater pumps.	Section 2.2.1, 2.2.1.3.2.2, 2.3, 2.4, 2.5	A or B	100 (ASW pumps only)	NA (ASW pumps)

STATUS OF PG&E OPEN ITEMS

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70148*	Semimonthly Status Report No. 9 Open Item 19	820309	830808 CLOSED	PG&E Open Item: The NRC considers that the 3D analysis of the containment polar crane shows that the results of the 2D non-linear analysis included in the Hosgri report are not conservative.	The polar crane has been reanalyzed to assure that design complies with seismic criteria. The 3D analysis has identified areas that require strengthing. Modifications have been designed and issued for construction.	The 3D analysis of the polar crane has resulted in modifications which are complete and acceptance is underway.	Section 2.1.1.5	A or B	100	***
70147*	Semimonthly Status Report No. 9 Open Item 20	820309	830901	PG&E Open Item: The seismic analysis of the containment dome service crane utilized some results of the 3D nonlinear polar crane analysis. These analyses have not yet been submitted for NRC review.	The dome service crane is being reanalyzed, using input from the polar crane analysis.	The dome service crane is being reanalyzed. Modifications may be required.	Section 2.1.1.5	A or B	***	***
70161*	Semimonthly Status Report No. 10 Open Item 21	820322	830901	PG&E Open Item: Calculations made by EDS for 14 in. HVAC duct support loadings used incorrect seismic response spectra in some cases. This may have resulted because the spectra provided by the DCP (shown in Appendix A of the EDS calculation file) inadvertently omitted designating the elevation 163 ft spectra as pertaining to the auxiliary building only. Apparently, EDS personnel mistakenly assumed that those spectra could be used for seismic loading at elevation 163 ft in the turbine building.	New response spectra at elevation 163 ft in the turbine building have been developed by the DCP. The HVAC duct and its supports are being reanalyzed for these new spectra. The turbine building is being checked for the new support loads resulting from the reanalyzed HVAC duct supports. Therefore, a conclusive statement of the resolution of this item cannot be provided at this time.		Section 2.5.3	B	***	***

STATUS OF PGandE OPEN ITEMS

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70172	Semimonthly Status Report No. 11 Open Item 22	820405	830406 CLOSED	PG&E Open Item: The reactor coolant system pressurizer supports and the component cooling water heat exchanger were modeled in the piping analyses as rigid. Rigid modeling may not be appropriate.	Review of the pressurizer support determined the stiffness to be 2.04 x 10^8 lb/in., which is consistent with the Diablo Canyon criteria for modeling as rigid. The analysis of piping with the actual component cooling water heat exchanger stiffness resulted in support load increases but acceptable pipe stress. Actions are in progress to identify all equipment that does not qualify for rigid modeling and to perform reanalysis as required.	The stiffness of the pressurizer supports is consistent with the DCP criteria for modeling as rigid. The current design analysis considered the flexibility of the CCW heat exchanger by applying the displacements of the HX at the nozzle in the seismic anchor movement analysis. All piping stresses are within allowable values. This OI is closed; the additional analyses and requalification of associated piping systems anchored by equipment previously modeled as rigid for the piping reevaluation are addressed in OI 37.	Section 2.2.1, 2.2.1.3.3.2, 2.2.2, 2.2.2.3.2.1	Note 2	100	NA

STATUS OF PG&E OPEN ITEMS

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70174	Semimonthly Status Report No. 12 Open Item 23	820412	830408 CLOSED	PG&E Open Item: The Blume Internal Review has determined that several computer analyses were performed before it was required that all computer analyses be QA verified. Each such program is being investigated thoroughly.	QA verification was either confirmed or provided for all runs of all programs used by URS/Blume for safety-related structures.	Six out of 864 computer runs needed further QA verification. The small differences between the results of the original six runs and the corresponding verification runs were insignificant. This item is closed.	Appendix 1A	Deviation	100	NA
70175*	Semimonthly Status Report No. 12 Open Item 24	820414	830901	PG&E Open Item: The Blume Internal Review has identified several questions concerning the turbine building analysis. These questions are related to the mathematical modeling and computer analysis of the building and to the effect of some of the Hosgri and post-TMI modifications on the building response.	The DCP is reviewing each area of concern to determine its resolution. In addition, the DCP is performing parametric studies considered necessary to ensure that qualification is maintained.		Section 2.1.4	Open Item	***	***
70176*	Semimonthly Status Report No. 12 Open Item 25	820420	830901	PG&E Open Item: The Blume Internal Review has identified questions related to the seismic analysis of the containment interior. These questions are insufficiently addressed in the existing documentation of the analyses, and relate to the mass, shear values, stiffness, and to the centers of mass and rigidity of the model as well as to the interpretation of some of the results.	The DCP is reviewing each area of concern. In addition, the DCP is performing parametric studies considered necessary to ensure that qualification is maintained.		Section 2.1.1	Open Item	***	***

STATUS OF PG&E OPEN ITEMS

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70183	Semimonthly Status Report No. 13 Open Item 26	820504	820611 CLOSED	PG&E Open Item: The Blume Internal Review has requested URS/Blume to revise the auxiliary building report to reflect the actual time history used in the analysis (20 rather than 24 seconds long) and to supplement the calculations to demonstrate the appropriateness of the truncated time-history.	The auxiliary building report, "Diablo Canyon Nuclear Power Plant, Auxiliary Building Dynamic Seismic Analysis for the 7.5M Hosgri Earthquake", has to be revised to reflect the actual time-history used in the analysis performed by URS/Blume (20 rather than 24 seconds long). Calculations to determine the appropriateness of the truncated time-history were performed. The analysis was rerun using the 24-second time history. The results between the 24- and the 20- second time-histories were compared and found to be identical.	The report has been revised to reflect the actual time-history used. Calculations have been included in revision 1 of the calculation files which demonstrate that the truncated time-history produces an identical response spectrum to that of the original time-history. This item is closed.	Section 2.1.2	C	100	NA
70184	Semimonthly Status Report No. 13 Open Item 27	820503	830418 CLOSED	PG&E Open Item: The Blume Internal Review has identified a possible discrepancy in the correlation between intake structure input spectrum and floor response spectra. This may affect the intake structure crane analysis. It was also noted that the intake structure seismic analysis did not include the effects of a tsunami after possible seismic damage to the intake flow divider walls.	The DCP has developed floor response spectra for the intake structure and has analyzed the intake structure crane with these spectra. The effects of a tsunami on the intake structure have been reviewed and no modifications are needed for tsunami.	The intake crane has been qualified with the correct floor response spectra and the intake structure has been reviewed for the effects of tsunami forces. No modifications were needed as a result of this open item.	Section 2.1.5	C	100	NA

STATUS OF PGandE OPEN ITEMS

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70185	Semimonthly Status Report No. 13 Open Item 28	830131	830418 CLOSED	PG&E Open Item: An electrical design review has found that incorrect circuit breakers were supplied for certain 125 VDC circuits. 20,000 amp interrupting capacity breakers were specified, however 10,000 amp breakers were received.	20,000 amp interrupting capacity breakers were procured and will be installed.	Replacement breakers have been installed that meet specifications.	None	A	100	100
70186	Semimonthly Status Report No. 13 Open Item 29	820507	830406 CLOSED	PG&E Open Item: Pipe support spacing tables for noncomputer analyzed piping do not include (1) the effect of pipe insulation weight, or (2) piping greater than 4 in. diameter.	New spacing tables which consider the weight of insulation have been prepared and the effect on piping and support design is being determined. Large bore piping will be reanalyzed by computer. Modifications, if required, are being made.	The pipe support spacing tables for non-computer analyzed Class I small bore piping (2" and smaller) have been verified and the appropriate DCM issued. Large bore pipe is computer analyzed as dictated by DCP procedure. This OI is closed; qualification of pipe supports, including the effect of insulation weight, is addressed in OI 37.	Section 2.2.1, 2.2.2, 2.2.2.3.3, 2.2.4.3.2.2	Note 2	100	NA
70198	Semimonthly Status Report No. 14 Open Item 30	820521	830207 CLOSED	PG&E Open Item: During the addition in 1979 of the control room pressurization system, the vital electrical power supply to the redundant control room heating, ventilation, and air conditioning (HVAC) system for each unit was changed. This change defeated the ability of the Unit 1 control room HVAC system to meet the single failure criteria if Unit 2 were not operating.	Transfer switches will be added which will allow system components to be supplied from either Unit 1 or Unit 2 power sources.	This item is closed on the basis that the concern reported and addressed in EOI File 8012 is the same concern reported in File OI 30.	None	A	NA	NA

STATUS OF PG&E OPEN ITEMS

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70202	Semimonthly Status Report No. 15 Open Item 31	820604	830518 CLOSED	PG&E Open Item: The Blume Internal Review has identified certain items which require further investigation to verify the acceptability of welded pipe attachments at the main steam and feedwater piping anchor. The anchor is located on column line G.	Reanalysis of the main steam and feedwater piping anchor pipe attachments and welds will be performed. The pipe attachments and welds designs will be reviewed to determine compliance to seismic criteria. Modifications will be performed, if necessary.	The as-built structural evaluation of the main steam and feedwater G-line anchor has been performed and concludes that the support is acceptable without modification.	Section 2.2.3, 2.2.3.3.1	A or B	100	NA
70203*	Semimonthly Status Report No. 15 Open Item 32	820607	830915	PG&E Open Item: Models and assumptions used in the analyses for the seismic qualification of the fuel handling building steel superstructure may have resulted in designs which do not totally satisfy all applicable criteria.	A study has been performed to determine what modifications are needed. The structure, with modifications, has been reanalyzed to assure conformance to criteria. Modifications have been designed and issued for construction.	DCN No. DC1-EC-3602 has been issued for modification of the fuel handling building. The modifications will include additional bracing in the walls and roof, with stronger connections throughout the building. A final verification will be done when modifications are complete and as-built information is available.	Section 2.1.3	A	***	***

STATUS OF PG&E OPEN ITEMS

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70212	Semimonthly Status Report No. 19 Open Item 33	820813	830901	PG&E Open Item: A review of the Hosgri qualification calculations for Class I HVAC duct supports identified a generic support type which apparently does not satisfy the applicable criteria.	A review of all Class 1 HVAC duct support designs is underway to determine their seismic adequacy. Modifications will be performed where necessary.		Section 2.5.4	A or B	***	***
70327*	Semimonthly Status Report No. 28 Open Item 34	821213	830901	PG&E Open Item: It has been postulated that under certain assumed failure modes the CCW system may not meet its licensing criteria.	The DCP has provided information to the NRC pertaining to seismic qualification, basis for 64° ocean temperature, and maximum flow/single failure analysis request by the Staff.	The NRC is reviewing the DCP letters reporting the results of investigations.		Open Item	99	0
70332*	Semimonthly Status Report No. 31 Open Item 35	830207	830819	PG&E Open Item: Deficiencies have been identified in the PG&E STRUDL-II computer program. This general purpose program is used in applications such as platforms, base plates, pipe support frames, and raceway supports.	The deficiencies in STRUDL-II are being evaluated to determine the impact on analyses that have been performed using this computer program.			B		N/A
70333*	Semimonthly Status Report No. 31 Open Item 36	830207	830815	PG&E Open Item: A discrepancy has been identified between recently compiled heat loads for the 480V ac and 125V dc switchgear areas and loads used in the original design of the Class 1 ventilation system serving these areas.	The system will be modified so that the required environmental conditions will be met. In addition, all Class I HVAC systems are being reviewed for adequate documentation of heat loads.	New fans have been procured and will be installed to ensure that environmental conditions meet the design basis.		A	90	

STATUS OF [redacted] OPEN ITEMS

TASK	INITIATING DOCUMENT	IDENT DATE	ECD	DESCRIPTION	STATUS DESCRIPTION OF RESOLUTION	CONCLUSIVE STATEMENT OF RESOLUTION	REFERENCE TO ITP PHASE I FINAL REPORT	ERROR CLASS PER IDVP	ANALYSIS COMPLETE	% MODIFICATIONS COMPLETE
70340*	Semimonthly Status Report No. 35 Open Item 37	830406	830930	This is an administrative open item to document and track aspects of the piping review program. These aspects include the generic portions of discrepancies covered by the existing open items (OIs) and any other discrepancies not explicitly covered by existing EOIs. All discrepancies in the original piping designs have been addressed by the Diablo Canyon Project Corrective Action Program (CAP) implemented in August 1982. This OI has been initiated to document and track generic aspects of discrepancies found during the course of the piping review work, and to track the resolution and completion of the entire DCP CAP for piping. It is the intention of the DCP to close each of the other piping-related OIs (OI No. 1, 5, 7, 9, 10, 13, 15, 16, 17, 22, and 29) when resolution of the specific issues in each OI is completed. When the piping review program is complete, OI No. 37 will be closed.	The following piping-related OIs are considered closed because resolution of the specific issues in these OIs is completed: OI Nos. 1, 5, 7, 9, 10, 13, 15, 16, 17, 22, and 29.		Sections 2.2.1 2.2.2 2.2.3 2.2.4	A	**	**
70344*	Semimonthly Status Report No. 36 Open Item 38	830412	830915	Two radiation monitors for the fuel handling building ventilation system do not fully comply with Regulatory Guide 1.52.	Instrumentation needs to be seismically qualified, and wiring needs to be separated to to comply with the regulatory guide.	New instrument loops that comply with Regulatory Guide 1.52 will be installed.		A	100	0
70345*	Semimonthly Status Report No. 37 Open Item 39	830509	830901	Existing PGandE calculations indicate that some rupture restraint crushable bumpers inside the containment may not be of sufficient length to perform their intended design function.	The DCP is reevaluating pipe rupture loads and the capacity of pipe rupture restraints including the crushable bumpers. Minor hardware modifications have been identified.			A	***	

STATUS [redacted]E OPEN ITEMS

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70364*	Semimonthly Status Report No. 41 Open Item 40	830627	830902	A review of all safety-related air-operated valves identified four (FCV-364,-365,-602, and -603) which do not entirely satisfy functional criteria. Specifically, upon loss of instrument air, the valves should fail "in position" and be operable for a limited time.	The review of all safety-related air-operated valves has been completed. Modifications for the four valves will be performed.			A	100	0