

Pacific Gas and Electric Company Semimonthly Report No. 38 Diablo Canyon Verification Program May 27, 1983

SUMMARY

This is PGandE's thirty-eighth Semimonthly Status Report which summarizes the progress of our design verification program from May 10, 1983, through May 23, 1983.

The Teledyne Engineering Services (TES) Independent Design Verification Program (Independent Program or IDVP) has identified 309 items to date. Of the 309 items, 278 completion reports (187 Phase I, 91 Phase II and CQA) have been issued, 22 (12 Phase I, 10 Phase II and CQA) require action by PGandE, and 9 (9 Phase I, 0 Phase II and CQA) require action by the Independent Program.

PGandE's Internal Technical Program has identified a total of 39 open items to date. Twenty-three of the 39 open items have been closed by PGandE. No new open items were identified during this report period.



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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.





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II. Independent Program Requests For Information

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One thousand seventy-nine out of 1109 requests for information by the Independent Program have been reponded to and transmitted to the IDVP. The remaining 30 requests are listed in Attachment III.

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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 revised annulus response spectra have been generated. Member evaluation is nearly complete. All vertical modifications for the annulus steel framing have been issued. The design of horizontal modifications to the annulus steel is complete and drawings have been issued. Confirmatory analysis for the latest pipe support loads is continuing.

B. Auxiliary Building

All response spectra have been generated. Member evaluations are complete except for final evaluation of some diaphragm slabs.

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.

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D. Turbine Building

The design of local modifications to provide strengthening and to reduce floor response spectra in certain areas is in progress. Analytical models incorporating these modifications are being revised and revised response spectra are being generated. Member evaluations affected by the modifications are in progress.

E. Intake Structure

Engineering for the intake structure is complete, except for verification of the structure for minor pipe support loads.

F. Pipe Rupture Restraints

The pipe rupture restraint review is approximately 90% complete. Restraint modifications are currently being issued.

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.

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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 in February, 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 except some local instrument panels.

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 transverse analyses were completed as scheduled in mid-May. The longitudinal review is in the process of completion.

J. HVAC Ducts and Supports

Latest spectra changes in the annulus are being factored into the HVAC ducts and support review.

K. Instrumentation Tubing and Tubing Supports

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



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II. <u>Status of ITP Review Activities Associated with IDVP Additional</u> <u>Verification</u>

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. O 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. 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 the turbine building and for areas GE-GW of the auxiliary building have been submitted to SWEC. Assumptions to be used in analysis for other areas of the auxiliary building were also submitted. The remaining information will be provided by early June.

D. Jet Impingement Analysis Inside Containment

Completion of 50% of the jet impingement review by the DCP, selection of a sample by SWEC, and DCP submittal of walkdown information were completed on schedule, May 17, 1983. Submittal of safety evaluations is scheduled for May 31, 1983. SWEC field verification was conducted during the week of May 23, 1983.



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E. Circuit Separation

The DCP has submitted the information required by SWEC on the selected sample (marked-up schematics, single failure analyses, design change documents for required modifications). Field modifications are currently in progress. SWEC will verify completed field modifications during the week of May 23, 1983.

III. Project Schedule

A current schedule for the Project design reviews and construction work resulting from such reviews was established in the PG&E submittal dated March 2, 1983. The status of the Project's work toward that schedule was presented to the NRC in a public meeting on May 4, 1983, and in the Semimonthly Status Report No. 37. An updated status will be provided on a monthly basis in future status reports.

IV. Open Item Status

To date, a total of 39 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.

BSLEW for

John B. Hoch Diablo Canyon Project Manager

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TABLE 1SUMMARY OF ATTACHMENTS I & II

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TYPE OF INDEPENDENT PROGRAM REPORTS	NUMBER OF May	REPORTED AS 9, 1983*	NUMBER F OF MAY 2	REPORTED AS 23, 1983*
	Phase I	Phase II & CQA	Phase I	Phase II & CQA
Open Item Reports	4	0	9	0
Potential Program Resolution Reports				
Closed Item Deviation Open Item with future action by PGandE Subtotal	, 0 0 		0 0 	0 0 <u>0</u>
Program Resolution Reports				
Closed Item Deviation Open Item with future action by PGandE Subtotal	0 0 <u>2</u> 2		0 0 -1 -1	0 0 0 0
Potential Error Reports				
Class A Error Class A or B Error Class B Error Class C Error Class D Error Subtotal			0 0 0 0 0	
Error Reports	•		-	
Class A Error Class A or B Error Class B Error Class C Error Class D Error Subtotal	4 7 0 0 	6 2 0 2 - 10	4 7 0 0 	6 2 0 2 0 10
Completion Reports	186	91	187	91
TOTAL NUMBER OF REPORTS	203	TOT	208	TOT

*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. e s a Ar

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TABLE 2

STATUS OF PIPING REVIEW

Large	Bore Piping	Percent <u>Complete</u>
U	Field as-built check	100
	Drawing incorporation of field as-built check results	95
	Establish procedures and criteria	100
	Qualification or reanalysis of seismic and thermal problems	90
Large	Bore Pipe Supports	
	Procedures and criteria	100
	Qualification or redesign of pipe supports	80
Small	Bore Piping	
	Procedures and criteria	100
	Initial sample selections	100
	Computer analyses review (Includes SAM and TAM Review)	95
) 1	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	95
	Code boundaries review	95
	Local pipe stress from lugs review	95



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TABLE 3

STATUS OF CIVIL/STRUCTURAL REVIEW

CONTAINMENT STRUCTURE

	Percent Complete For		
	STEP_1	STEP 2	STEP 3
	Fuel	Low Power	Full
Task Description	Load	Testing	Power
- Seismic criteria	100	NA	NA
- Annulus structure	100	NA	NA
- Exterior shell	95	NA	NA
- Interior concrete structure	70	NA	NA
- Cranes	75	NA	NA
- Platforms	100	NA	NA
- Pipeway structure	90	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.

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TABLE 3 (cont'd)

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STATUS OF CIVIL/STRUCTURAL REVIEW

AUXILIARY BUILDING

	Perce	ent Complete	For
	STEP 1	STEP 2	STEP 3
Task Description	Load	Low Power Testing	Power
- Seismic criteria	100	NA	NA
- Global vertical response spectra	100	NA	NA
 Vertical floor spectra accounting for flexibility 	95	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	80	NA	NA



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TABLE 3 (cont'd)

STATUS OF CIVIL/STRUCTURAL REVIEW

FUEL HANDLING BUILDING

	, * ,	Perc	For	
Task Description	s,	STEP 1 Fue1 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





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TABLE 3 (cont'd)

STATUS OF CIVIL/STRUCTURAL REVIEW

TURBINE BUILDING

	Percent Complete For		
	STEP	1 STEP 2	STEP 3
	Fue	Low Powe	er Full
lask Description			rower
- Seismic criteria	10	O NA	NA
- Seismic models and analysis	9	5 NA	NA
- Revised building response spectra	9	5 NA	NA
- Member evaluation	9	5 NA	NA
- Turbine pedestal	10	O NA	NA
- Turbine building crane	9	8 <u>N</u> A	NA

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TABLE 3 (cont'd)

STATUS OF CIVIL/STRUCTURAL REVIEW

INTAKE STRUCTURE

	Perc	Percent Complete For		
Tack Decemintion	STEP 1 Fuel	STEP 2 Low Power	STEP 3 Full	
Task Description	LUau	Iesting	Fower	
- Seismic criteria	100	NA	NA	
- Seismic model	100	NA	NA	
- Intake structure seismic design	95	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	

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TABLE 3 (cont'd)

STATUS OF CIVIL/STRUCTURAL REVIEW

RACEWAY SUPPORTS

	Percent Complete For		
	STEP 1	STEP 2	STEP 3
	Fuel	Low Power	Full
Task Description	Load	<u>Testing</u>	Power
- Seismic criteria	100	NA	NA
- Transverse loads	85	NA	NA
- Longitudinal loads	85	NA	NA
- Field-originated review of supports	100	NA	NA

HVAC SUPPORTS

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- Seismic criteria	, 100 (NA	NA
- Two-over-one supports in containment	100	NA	NA
 Supports outside containment required for Step 1 	95	NA	NA
 Supports outside containment required for Step 3 	NA	NA	5



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TABLE 3 (cont'd)

STATUS OF CIVIL/STRUCTURAL REVIEW

MISCELLANEOUS

	Percent Complete For		
	STEP 1	STEP 2	STEP 3
	Fuel	Low Power	Full
Task Description	<u>Load</u>	<u>Testing</u>	<u>Power</u>
- System interaction program inside containment	95	NA	NA
 Systems interaction program outside containment 	NA	NA	65
 Verify computer programs used for analysis of safety-related structures 	100	NA	NA
- Heavy loads (NUREG-0612)	NA	NA	90
- Review G line anchor	NA	NA	90
- Review pipe rupture restraints	NA	NA	90





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TABLE 4

STATUS OF PLANT MODIFICATIONS (As of May 20, 1983)

			STEP 1	STEP 2
			Fuel Load	Low Power Testing
I.	INS	IDE CONTAINMENT		
	Α.	Large Bore Pipe Supports		
		Total Forecast Design Release Construction Complete	920 907 738	None
	Β.	Small Bore Supports		
		Total Forecast Design Release Construction Complete	510 483 374	None
	C.	HVAC Supports		
		Total Forecast Design Release Construction Complete	77 77 71	15 0 0
	D.	Raceway Supports		•
		Total Forecast Design Release Construction Complete	260 227 121	None
	Ε.	Annulus Steel Connections		
		Total Forecast Design Release Construction Complete	740 740 366	* 0 0
	F.	Platform Connections		
		Total Forecast Design Release Construction Complete	410 410 365	* 0 0

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



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TABLE 4 (Cont'd)

STATUS OF PLANT MODIFICATIONS (As of May 20, 1983)

		, t 1,	۰, ۱	, , , , , , , , , , , , , , , , , , , ,	STEP 1 Fuel Load	STEP 2 Low Power Testing
II.	OUTS	IDE CONTAINM	ENT	,	2 · · · ·	
	Α.	Large Bore	Pipe Supports	, ,		
		Total Design Constr	Forecast Release uction Complete		1096 1071 663	650 639 618
	B.	Small Bore	Supports			
		Total Design Constr	Forecast Release uction Complete		310 310 197	240 208 157
	C.	HVAC Suppor	ts			
		Total Design Constr	Forecast Release uction Complete		583 568 479	None
	D.	Raceway Sup	ports			
		Total Design Constr	Forecast Release uction Complete		1540 1374 1085	None
	Ε.	Fuel Handli	ng Building Conn	ections		
		Total Design Constr	Forecast Release uction Complete		345 345 345	None
	F.	Hot Shop St	eel Connections			
		Total Design Constr	Forecast Release uction Complete		276 276 272	None
	G.	Equipment M	odifications			
		Total Design Constr	Forecast Release uction Complete		54 17 0	41 41 0



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TABLE 4 (Cont'd)

STATUS OF PLANT MODIFICATIONS (As of May 20, 1983)

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			STEP 1 Fuel Load	STEP 2 Low Power Testing
II.	OUT	SIDE CONTAINMENT (Cont'd)		
	H.	Intake Structure		
		Design Release Construction Complete	100% 100%	None
	I.	Turbine Building		
		Design Release Construction Complete	0% 0%	None

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.



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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. O 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
Α	-	Class A Error
В	-	Class B Error
С	-	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.



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STATUS OF PHASE I IDVP ITEMS

FILE <u>NO.</u>	SUBJECT	REV. 0 DATE	LATEST <u>REV. NO.</u>	LATEST <u>REV. DATE</u>	STATUS	ACTION REQ'D BY	PHY. MODS	PG&E <u>TASK NO.</u>
910	RACEWAY SUPPORTS INSTALLATION VARIANCE	01-05-82	7	07-23-82	CR	CLOSED	NO -	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	NO	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	7	11-23-82	ER/A	PG&E	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

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STATUS OF PHASE I IDVP ITEMS

FILE NO.	SUBJECT	REV. O DATE	LATEST <u>REV. NO.</u>	LATEST <u>REV. DATE</u>	STATUS	ACTION REQ'D BY	PHY. Mods	PG&E TASK NO.
949*	MAIN ANNUNCIATOR CABINET RIGIDITY & FREQUENCY	01-20-82	5	05-23-83	CR	CLOSED	YES	70021
950	VALVE FCV 95 PLATE THICKNESS	01-28-82	10	05-04-83	PRR/OIP	PG&E	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

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STATUS OF PHASE I IDVP ITEMS

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FILE <u>NO.</u>	SUBJECT	REV. O DATE	LATEST <u>REV. NO.</u>	LATEST <u>REV. DATE</u>	STATUS	ACTION <u>REQ'D BY</u>	PHY. Mods	PG&E TASK ND.
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
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		70055

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STATUS OF PHASE I IDVP ITEMS

FILE <u>NO.</u>	SUBJECT	REV. 0- DATE	LATEST <u>REV. NO.</u>	LATEST <u>REV. DATE</u>	STATUS	ACTION <u>REQ'D By</u>	PHY. Mods	PG&E <u>TASK NO.</u>
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
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	6	02-10-83	OIR	IDVP	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	5	10-05-82	ER/AB	PG&E	NO	70075



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STATUS OF PHASE I IDVP ITEMS

FILE <u>NO.</u>	SUBJECT	REV. O DATE	LATEST <u>REV. NO.</u>	LATEST <u>REV. DATE</u>	STATUS	ACTION <u>REQ'D By</u>	PHY. Mods	PG&E TASK NO.
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	x 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
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	5	09-10-82	ER/AB	PG&E	NO	70093

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STATUS OF PHASE I IDVP ITEMS

FILE <u>NO.</u>	SUBJECT	REV. O DATE	LATEST <u>REV. NO.</u>	LATEST <u>REV. DATE</u>	STATUS	ACTION REQ'D BY	PHY. Mods	PG&E TASK NO.
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		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
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

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STATUS OF PHASE I IDVP ITEMS

FILE <u>NO.</u>	SUBJECT	REV. O DATE	LATEST REV. NO.	LATEST <u>REV. DATE</u>	STATUS	ACTION <u>REQ'D BY</u>	PHY. MODS	PG&E <u>TASK NO.</u>
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
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

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STATUS OF PHASE I IDVP ITEMS

FILE <u>NO.</u>	SUBJECT	REV. O DATE	LATEST <u>REV. NO.</u>	LATEST <u>REV. DATE</u>	<u>STATUS</u>	ACTION <u>REQ'D BY</u>	PHY. Mods	PG&E <u>TASK NO.</u>
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 FÍNDINGS	03-15-82	1	05-24-82	CR	CLOSED	NO	70163
1069	VALVES LCV 113 AND LCV 115 UNSUPPORTED	03-15-82	5	06-30-82	ER/A	PG&E	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
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	r 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

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STATUS OF PHASE I IDVP ITEMS

FILE <u>NO.</u>	SUBJECT	REV. 0 DATE	LATEST <u>REV. NO.</u>	LATEST <u>REV. DATE</u>	STATUS	ACTION <u>REQ'D BY</u>	PHY. MODS	PG&E TASK NO.
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, and 1093)	07-13-82	4	07-22-82	ER/AB	PG&E	NO	70209
1098	PIPING SEISMIC REEVALUATION (includes files 961, 1021, 1058, 1059, 1060, 1104, 1115, 6001, and 6002)	07-14-82	7	02-25-83	ER/AB	PG&E	YES	70210

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STATUS OF PHASE I IDVP ITEMS

FILE <u>NO.</u>	SUBJECT	REV. 0 DATE	LATEST REV. NO.	LATEST <u>REV. DATE</u>	STATUS	ACTION <u>REQ'D BY</u>	PHY. MODS	PG&E TASK NO.
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	NO	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	4.	12-10-82	ER/AB	PG&E		70285
1107*	PIPING ADDITIONAL SAMPLE 110	11-23-82	6	05-24-83	OIR	IDVP	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

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STATUS OF PHASE I IDVP ITEMS

FILE NO.	SUBJECT	REV. O DATE	LATEST <u>REV. NO.</u>	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	0 ·	05-06-83	OIR	IDVP		70346
1122*	LARGE BORE PIPE SUPPORTS 10/70SL FREQUENCIES	05-12-83	0	05-12-83	OIR	IDVP		70347
1123*	INSTRUMENT TUBING SUPPORT	05-13-83	0	05-13-83	OIR	IDVP	-96.	70348
1124*	AUXILIARY BUILDING SPECTRA GENERATION	05-14-83	0	05-14-83	OIR	IDVP		70349
1125*	HVAC COMPRESSOR CP35, 36 VERTICAL SPECTRA	05-20-83	0	05-20-83	OIR	IDVP		70350
1126*	PIPING - SIF APPLICATION	05-20-83	0	05-20-83	OIR	IDVP		70351
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

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			IDVP	DCP ESTIMATI DA	DCP ESTIMATED DELIVERY DATE		
EOI <u>FILE NO.</u>	TITLE	ACTION REQ'D	REPORT STATUS	RESOLUTION PACKAGE	COMPLETION PACKAGE		
938*	Valve Orientation (includes file 1105)	Project	ER/A	DONE	06/14/83		
950*	Valve FCV 95 Plate Thickness	Project	PRR/OIP	DONE	06/01/83		
983	Raceway Support Reevaluation (includes files 910 and 930)	Project	ER/A	DONE	06/01/83		
993	OD Water Tank Design (includes file 992)	IDVP	OIR	DONE	DONE		
1003	4 kV SW RM HVAC Duct Support (includes file 1077)	Project	ER/AB	DONE	DONE		
1014*	Containment Seismic Review (includes files 977, 1009, 3006, 3007, and 3008)	Project	ER/AB	DONE	06/03/83		
1022	Intake Structure Seismic Review (includes files 967 and 988)	Project	ER/AB	DONE	DONE		
1026	Turbine Building Seismic Review (includes files 982, 984, 989, 1010, and 1025)	Project	ER/AB	06/03/83	06/03/83		

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			IDVP	DCP ESTIMATED DELIVERY DATE		
EOI <u>FILE NO.</u>	TITLE	ACTION REQ'D	REPORT STATUS	RESOLUTION PACKAGE	COMPLETION PACKAGE	
1028	Auxiliary Building Horizontal Acceleration	IDVP	OIR	DONE	DONE	
1069*	Valves LCV 113 & LCV 115 Unsupported	Project	ER/A	06/03/83	06/03/83	
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, and 1093)	Project	ER/AB	DONE	DONE	
1098	Piping Seismic Reevaluation (includes files 961, 1021, 1058, 1059, 1060, 1104, 1115, 6001, 6002)	Project	ER/AB	DONE	DONE	
1106*	Piping Samples - Nozzle Loads and Valve Accelerations	Project	ER/AB	06/03/83	06/03/83	
1107*	Piping Additional Sample 110	IDVP	OIR	DONE	DONE	
1121*	HVAC Component - Filter Unit 39 Anchor Bolt	IDVP	OIR	05/30/83	TBD	
1122*	Large Bore Pipe Support 10/70SL Frequency	- IDVP	OIR	TBD	TBD	
1123*	Instrument Tubing Support	IDVP	OIR	TBD	TBD	
1124*	Auxiliary Building Spectra Generation	IDVP	OIR	06/15/83	06/15/83	
1125*	HVAC Compressor CP35, 36 Vertical Spectra	IDVP	OIR	TBD	TBD	
1126*	Piping - SIF Application	IDVP	OIR	TBD	TBD	

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STATUS OF PHASE II IDVP ITEMS

FILE <u>NO.</u>	SUBJECT	REV. O DATE	LATEST <u>REV. NO.</u>	LATEST <u>REV. DATE</u>	STATUS	ACTION <u>REQ'D BY</u>	PHY. Mods	PG&E <u>TASK ND.</u>
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	4	02-02-83	ER/AB	PG&E		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 contaiment 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	3	02-25-83	ER/AB	PG&E		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 <u>NO.</u>	SUBJECT	REV. O DATE	LATEST <u>REV. NO.</u>	LATEST <u>REV. DATE</u>	STATUS	ACTION <u>REQ'D By</u>	PHY. Mods	PG&E <u>TASK NO.</u>
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	7	03-09-83	ER/A	PG&E	YES	70228
8010	AFW TURBINE THROTTLE VALVE	09-13-82	8	03-10-83	ER/A	PG&E	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	7	03-15-83	ER/A	PG&E	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	5	03-09-83	ER/A	PG&E	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	11	05-09-83	ER/C	PG&E	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	NÖ	70245
8024	480V UNDER VOLTAGE FOR NORMAL OPERATION	10-12-82	6	03-16-83	CR	CLOSED	NO	70246

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STATUS OF PHASE II IDVP ITEMS

FILE <u>NO.</u>	SUBJECT	REV. O DATE	LATEST <u>REV. NO.</u>	LATEST <u>REV. DATE</u>	STATUS	ACTION <u>REQ'D BY</u>	PHY. Mods	PG&E <u>TASK NO.</u>
8025	4KV AND 480V UNDER VOLTAGE AFTER LOCA	10-12-82	6	03-16-83	CR	CLOSED	NO	70247
8026	480V UNDER VOLTAGE FOR FULL LOAD	10-12-82	6	03-16-83	CR	CLOSED	NO	70248
8027	AFW STEAM TRAP DESIGN CHANGE	10-13-82	6	02-11-83	CR	CLOSED	NO	70249
8028	HELB EFFECTS ON AFW PUMP MOTORS	10-14-82	6	03-09-83	CR	CLOSED	NO	70250
8029	HELB EFFECTS ON AFWS PT-434 AND PUMPS	10-14-82	6	03-09-83	CR	CLOSED	NO	70251
8030	HELB EFFECTS ON AFWS PT-433 AND PUMPS	10-14-82	6	03-09-83	CR	CLOSED	NO	70252
8031	HELB EFFECTS ON AFWS LCV113 AND LCV115	10-14-82	6	03-09-83	CR	CLOSED	NO	70253
8032	LOSS OF HSP CNTL OF LCV 110,111,113,115 DUE TO FIRE	10-13-82	5	03-09-83	ER/C	PG&E	YES	70254
8033	HELB SG BLOWDOWN MODEL NON CONSERVATIVE	10-14-82	6	02-25-83	CR ≞	CLOSED	NO	70255
	METHOD							
8034	HELB PT ANAL FOR AREA GE	10-14-82	8	02-25-83	CR	CLOSED	NO	70256
8035	SMOKE DETECTORS IN CRVP INTAKE DUCTS	10-14-82	9	04-07-83	CR	CLOSED	YES	70257
8036	H2 LINE ENCLOSURES	10-14-82	6	02-25-83	CR	CLOSED	NO	70258
8037	GAP IN AFWS FIRE BARRIER DAMPER FD-24	10-14-82	6	12-02-82	CR	CLOSED	NO	70259
8038	FIRE ZONE 3-Q-2 COMMUNICATION WITH FIRE ZONE 3-R	10-14-82	6	02-25-83	CR	CLOSED	NO	70260
8039	FIRE ZONES 12-A,B,C COMMUNICATION WITH FIRE ZONES 13-A,B,C	10-14-82	6	02-25-83	CR	CLOSED	NO	70261
8040	SG WATER INVENTORY ASSUMPTION FOR SUBMERGENCE ANALYSIS	10-22-82	8	02-22-83	CR	CLOSED	NO	70264
8041	CRVP POWER TRANSFER SWITCH SEPARATION	10-22-82	8	03-11-83	CR	CLOSED	NO	70265
8042	AFWS & CRVP 120VAC SOURCE SEPARATION	10-22-82	8	02-09-83	CR	CLOSED	NO	70266

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STATUS OF PHASE II IDVP ITEMS

FILE <u>NO.</u>	SUBJECT	REV. 0 DATE	LATEST <u>REV. NO.</u>	LATEST <u>REV. DATE</u>	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
80 ⁵ 56	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	5	03-15-83	ER/A	PG&E	YES	70281



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STATUS OF PHASE II IDVP ITEMS

FILE <u>NO.</u>	SUBJECT	REV. O DATE	LATEST <u>REV. NO.</u>	LATEST <u>REV. DATE</u>	STATUS	ACTION <u>REQ'D_BY</u>	PHY. Mods	PG&E <u>TASK NO.</u>
8058	AFWS LCVS ENVIRONMENT QUALIFICATION	10-29-82	6	03-09-83	CR	CLOSED	NO	70282
8059	AFWS AND CRVP CLASS IE 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	5	03-10-83	ER/A	PG&E	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
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

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STATUS OF PHASE II IDVP ITEMS

FILE <u>NO.</u>	SUBJECT	REV. O DATE	LATEST <u>REV. NO.</u>	LATEST <u>REV. DATE</u>	STATUS	ACTION <u>Req'd by</u>	PHY. Mods	PG&E TASK NO.
9012	WELDING PROC., INTERPASS TEMP. MONITORING	11-02-82	3	01-17-83	CR	CLOSED	NO	70297
9013	BMI SUPPORTS DISCREPANCIES	11-02-82	3	02-22-83	CR	CLOSED	NO	70298
9014	DOC. OF HALOGEN CONTENT OF PENETRANT	11-02-82	3	01-17-83	CR	CLOSED	NO	70299
9015	BATCH PLANT CERT. DATE, CONCRETE STRENGTH REG	11-02-82	3	01-17-83	CR	CLOSED	NO	70300
9016	ALUMINUM USED IN CONTAINMENT GROUT	11-02-82	3	01-17-83	CR	CLOSED	NO	70301
9017	RC CROSSOVER RESTRAINT BOLT MATERIAL & LOCK WASHER	11-02-82	3	01-17-83	CR	CLOSED	NO	70302
9018	WELDERS QUALIFICATIONS PER CODE REQUIREMENT	11-02-82	3	01-17-83	CR	CLOSED	NO	70303
9019	DOCUMENTATION OF EXAMS PERFORMED ON WELDS	11-02-82	3	02-25-83	CR	CLOSED	NO	70304
9020	INACCURATE INFO ON RADIOGRAPHIC INSP. REPORT	11-02-82	3	01-17-83	CR	° CLOSED	NO	70305
9021	CONTAINMENT INTERIOR CONCRETE SURFACE DEFECTS	11-02-82	3	01-17-83	CR	CLOSED	NO	70306
9022	BMI TUBING WELDS-WELD PROCEDURES NOT MET	11-10-82	3	02-10-83	CR	CLOSED	NO	70308
9023	RCS-WELD PROCEDURES NOT MET	11-10-82	3	01-17-83	CR	CLOSED	NO	70309
9024	RCS-RECORD OF FERRITE READINGS	11-10-82	3	02-22-83	CR	CLOSED	NO	70310
9025	BMI TUBING SUPPORTS DRILLED HOLES	11-10-82	3	02-09-83	CR	CLOSED	NO	70311
9026	RCS-LIQUID PENETRANT EXAM DOCUMENTATION	11-10-82	6	03-09-83	CR	CLOSED	NO	70312
9027	BMI TUBING-LIQUID PENETRANT DOCUMENTATION	11-10-82	3 1	01-17-83	CR	CLOSED	NO	70313
9028	WELD DOCUMENTATION-WELDER IDENTIFICATION	11-19-82	3	01-17-83	CR	CLOSED	NO	70315
9029	RCS-DEFICIENT CONDITIONS ON PIPING	11-19-82	3	02-25-83	CR	CLOSED	NO	70316

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			IDVP	DATE			
EOI FILE NO.	- TITLE	ACTION REQ'D	REPORT STATUS	RESOLUTION PACKAGE	COMPLETION PACKAGE		
7002*	PG&E QA Audit & Review Report - Containment Component	Project	ER/AB	05/27/83	06/13/83		
8001	NSC Environments - Computer Code (includes files 7004, 7005, 8003, 8006, 8033, and 8034)	Project	ER/AB	DONE	DONE		
8009*	AFWS Discharge Piping Design Pressure	Project	ER/A	DONE	06/03/83		
8010*	AFW Turbine Throttle Valve	Project	ER/A	DONE	06/03/83		
8012*	Power Supplies To CRVP Equipment	Project	ER/A	DONE	06/06/83		
8017*	HVAC Control Transfer Switch Electrical Separation	Project	ER/A	DONE	05/31/83		
8021	Fire Protection/Separation AFW System	Project	ER/C	DONE	DONE		
8032	Loss of HSP CNTL of LCV 110, 111, 113, 115 Due to Fire	Project	ER/C	DONE	DONE		
8057	AFW, CRVP Control Panels Separation	Project	ER/A	DONE	06/03/83		
8062*	AFW Control Valves Max. Diff. Pressure	Project	ER/A	DONE	06/03/83		

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ATTACHMENT III

OUTSTANDING IDVP REQUESTS FOR INFORMATION

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LEGEND

* One asterisk denotes a revision since the last report.

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





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REQUEST NO.	DATE OF <u>REQUEST</u>	DESCRIPTION OF REQUEST	ESTIMATED DELIVERY_DATE	RESPONSIBLE <u>GROUP</u>
RLCA-636*	02-18-83	Allowable accelerations and fundamental frequency for listed valves (ITR 137)	06/01/83	PIPING
RLCA-728*	04-15-83	Listed turbine building calculations (ITR 136)	05/27/83	CIVIL
RLCA-791*	05-02-83	Copy of responses to TES RFI's 0204 and 0208 containment and seismic questions (ITR-136)	05/27/83	CIVIL
RLCA-792*	05-02-83	Information on changes in natural frequencies with supports placed at grid line J (ITR-136)	05/27/83	CIVIL
RLCA-793*	05-02-83	General procedures to generate pipeway spectra. Need Westinghouse input to respond (ITR-136)	05/27/83	CIVIL
RLCA-800*	05-03-83	Information for listed analysis (ITR-137)	TBD	PIPING
RLCA-807*	05-06-83	Verification and clarification of listed pipe support calculation item (ITR 138)	TBD	PIPING
RLCA-810*	05-09-83	Clarification of polar crane calculation and analysis items (ITR 136)	05/26/83	CIVIL
RLCA-814**	05-10-83	Clarification of containment exterior shell calculation (ITR-136)	TBD	CIVIL
RLCA-815**	05-10-83	Copy of response to TES RFI 0212 turbine building questions (ITR-136)	05/26/83	CIVIL
RLCA-832**	05-16-83	Information and clarification concerning reactor cavity wall calculation (ITR-136)	05/26/83	CIVIL
RLCA-840**	05-18-83	Provide HV7.4	06/03/83	HVAC

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OUTSTANDING IDVP REQUESTS FOR INFORMATION

REQUEST NO.	DATE OF <u>REQUEST</u>	DESCRIPTION OF REQUEST	ESTIMATED DELIVERY DATE	RESPONSIBLE GROUP
RLCA-841**	05-18-83	Elevation 85 ft soil spring calculation (ITR-136)	05/27/83	CIVIL
RLCA-844**	05-19-83	FHB walkdown as-built drawings (ITR-136)	05/26/83	CIVIL
RLCA-846**	05-19-83	Clarification of DE and DDE items in Phase I report (ITR-136)	05/26/83	CIVIL
RLCA-847**	05-20-83	Wyle test plan 566/1024, PG&E test report on radiation monitoring and anchorage drawings	05/31/83	INSTR.
RLCA-848**	05-20-83	Fire pump anchorage chain specification or procedure	05/31/83	MECH
RLCA-849**	05-20-83	Clarification of fire pump testing	05/31/83	MECH
RLCA-850**	05-20-83	Clarification of fire pump trailer support test method	05/31/83	MECH
RLCA-851**	05-20-83	Clarification of fire pump mountings	05/31/83	MECH
TES-0204*	04-08-83	Containment Phase I Final Report questions	05/27/83	CIVIL
TES-0206*	04-12-83	Seismic analysis questions	05/26/83	CIVIL
TES-0208*	04-26-83	Phase I Final Report auxiliary building questions	05/27/83	CIVIL
TES-0212*	05-06-83	Turbine building questions	05/26/83	CIVIL
TES-0246**	05-16-83	Listed instrument tubing and piping calculations	TBD	CIVIL/ PIPING
TES-0248**	05-17-83	Instruction I-39 and DCM M-25	05/27/83	PIPING

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OUTSTANDING IDVP REQUESTS FOR INFORMATION

REQUEST NO.	DATE OF REQUEST	DESCRIPTION OF REQUEST	ESTIMATED DELIVERY DATE	RESPONSIBLE <u>GROUP</u>
TES-0250**	05-19-83	Clarification of calculations 8234-04-CA-03, 501C-1, and crane wall structure	05/27/83	CIVIL
SWEC-90*	04-28-83	Documentation and information on the outside containment HELB analyses	06/14/83	MECH
SWEC-93**	05-10-83	Miscellaneous information on main steam and CCW systems; items associated with ITR-34, EOIs 8009, 8010, and 8062	06/03/83	MECH
SWEC-95**	05-17-83	Miscellaneous information on jet impingement inside containment	06/13/83	MECH

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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.



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Attachment IV Page l

STATUS OF PGandE OPEN ITEMS

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<u>TASK</u> 70098	INITIATING DOCUMENT Semimonthly Status Report No. 7 Other Findings, Item 1	IDENT DATE 820212	<u>ECD</u> 830406 CLOSED	DESCRIPTION PG&E Open Item: Modeling of all annulus area valves was reviewed. Six were found to be modeled incorrectly.	STATUS <u>DESCRIPTION OF RESOLUTION</u> 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.	CONCLUSIVE STATEMENT OF RESOLUTION New piping analyses have been performed. These analyses used the as-built configuration as input, and the valves were modeled in accor- dance with DCP Procedure P-11. All pipe stresses are within allow- able values. This OI is closed; valve modeling for piping reevalu-	REFERENCE TO ITP PHASE I FINAL REPORT Section 2.2.1. 2.2.1.3.3.2. 2.2.2 2.2.2.3.1.2	ERROR CLASS <u>PER IDVP</u> Note 2	X ANALYSIS COMPLETE 100	X MODIFI CATIONS <u>Complete</u> 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	All piping analyses were reviewed to identify affected piping. One analysis was found to need reanalysis. This piping analysis was rerun.	piping reevalu- ation is address- ed in OI 37. Reanalysis is complete, and support redesign and qualification are complete. This item is	Section 2.1.2	⁻ A	100	100
	I Cem Z			been found to contain an error.	piping analysis was rerun.	This item is closed.				

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<u>task</u>	INITIATING DOCUMENT	IDENT DATE	<u>ECD</u>	DESCRIPTION	STATUS <u>Description_of_resolution</u>	STATEMENT OF RESOLUTION	ITP PHASE I FINAL REPORT	CLASS PER_IDVP	ANALYSIS COMPLETE	CATIONS COMPLETE
70100*	Semimonthly Status Report No. 7 Other Findings. Item 3	820212	830620	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 pre- vent 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.	DCH M-58 has been prepared and issued which identifies all active valves to be seismically qualified as well as corresponding allowable acceler ations and natural frequen- cies. 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

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STATUS OF PGandE OPEN ITEMS

TASK	DOCUMENT	DATE -	<u>ECD</u>	DESCRIPTION	STATUS <u>Description of resolution</u>	STATEMENT OF RESOLUTION	ITP PHASE I <u>FINAL REPORT</u>	CLASS <u>PER: IDVP</u>	ANALYSIS COMPLETE	CATIONS COMPLETE
70103 S	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 percent- age of spans in this class relative to the total population is 0.19% Design instructions to add supports which would eliminate piping over- stress 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

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STATUS OF PGandE OPEN ITEMS REFERENCE TO ERROR % % HODIFI-CONCLUSIVE ANALYSIS CATIONS STATEMENT ITP PHASE I CLASS STATUS INITIATING IDENT FINAL REPORT PER IDVP COMPLETE COMPLETE DESCRIPTION OF RESOLUTION OF RESOLUTION DESCRIPTION DOCUMENT DATE ECD TASK NA 100 The two thermal analyses New design Section Note 2 820212 830406 PG&E Open Item: Semimonthly 70104 2.2.1, analyses have CLOSED Piping review of the annulus have been rerun and Status Report 2.2.1.3.2.1, revealed two thermal analyses supports qualified. Also, been performed. No. 7 These analyses 2.2.2. which used incorrect modeling all thermal analyses are Other Findings. being reviewed as part of used the as-built 2.2.2.3.2.1 of supports. Item 7 configuration as 2.2.2.3.3 the Internal Technical Program and those found to input. All stresses are contain support modeling errors are being rerun and within allowable values. This OI associated supports are is closed: the being requalified. review of all other thermal analyses for the piping evaluation is addressed in OI 37. 50 80 Section A or B The appropriate 70105* Semimonthly 820212 830620 PG&E Open Item: Appropriate spectra have (non-(non-Piping with supports attached been developed. The new spectra have been 2.2.1. Status Report piping) piping) developed. DCM 2.2.1.3.2.2. spectra are being No. 7 to the containment internal 50 compared to spectra used C-17 includes 2.2.2, structure above elevation 140 ft Other Findings. (piping) Hosgri spectra 2.2.2.3.2.1. in the previous qualifiwere dynamically analyzed using Item 8 for the contain- 2.2.2.3.3 140 ft containment interior cations. Where qualifying 2.4 ment interior spectra. In addition, piping, spectra do not envelope above E1. 140' electrical raceways and supports the new spectra, analyses and for the attached to containment exterior will be performed to pipeway. DCHs pipeway were analyzed using qualify piping systems C-25 and C-30 and electrical raceway to containment exterior spectra. include DDE and criteria. Modifications Further analysis is being DE spectra for performed to verify approwill be performed, as the interior priateness of these required. structure above assumptions. E1. 140'. The DDE and DE spectra for the containment exterior in DCHs C-25 and C-30 are to be used for the pipeway.

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STATUS OF PGandE OPEN ITEMS

<u>TASK</u>	INITIATING DOCUMENT	IDENT DATE	<u>ECD</u>	DESCRIPTION	51A1	STATUS DESCRIPTION OF RESOLUTION	CONCLUSIVE STATEMENT OF RESOLUTION	REFERENCE TO ITP PHASE I FINAL REPORT	ERROR CLASS <u>PER IDVP</u>	% ANALYSIS <u>COMPLETE</u>	% MODIFI- CATIONS <u>COMPLETE</u>
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 loca pipe overstress, has been identified.	5	All welded pipe attach- ment 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 identif for which the spectra sets were not enveloped by the appropriate revised reorien spectra.	fied used nted	The seven analyses have been rerun using appro- priate spectra sets and all remaining piping analyses are being re- viewed to assure use of appropriate spectra. Where required, analyses are being rerun. Modifi- cation are being performed as required.	New design analy- ses have been performed. The current design analyses used the appropriate spectra in accor- dance 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 2.2.1.3.2.2, 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 seismic qualification of th plant exhaust vent will be reviewed.	the he	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	Β	100	NA

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<u>TASK</u>	INITIATING DOCUMENT	IDEN DATE	r	DESCRIPTION	STATUS <u>Description of resolution</u>	CONCLUSIVE STATEMENT <u>OF RESOLUTION</u>	REFERENCE TO ITP PHASE I FINAL REPORT	ERROR CLASS <u>PER_IDVP</u>	X ANALYSIS <u>COMPLETE</u>	CATIONS COMPLETE
70109	Semimonthly Status Report No. 7 Other Findings Item 12	820212	820604 (for piping)	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 deter- mine 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 re- iewed 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 spec- tra are found to envelope the new spectra. This item is closed for piping (820604). Equip- ment review is continuing as part of the In- ternal Technical Program.	Section 2.1.1	8	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 configu- rations for the piping reevalu- ation are addres- sed 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

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<u>TASK</u>	INITIATING DOCUMENT	IDENT DATE	<u>ecd</u>	DESCRIPTION	STATUS DESCRIPTION OF RESOLUTION	CONCLUSIVE STATEMENT OF RESOLUTION	REFERENCE TO ITP PHASE I FINAL REPORT	ERROR CLASS <u>PER IDVP</u>	% ANALYSIS <u>COMPLETE</u>	% MODIFI- CATIONS <u>COMPLETE</u>
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 de- tails 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 per- formed. 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

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STATUS OF PGandE OPEN ITEMS % HODIFI-REFERENCE TO ERROR % CONCLUSIVE ITP PHASE I CLASS ANALYSIS CATIONS STATEMENT STATUS INITIATING IDENT COMPLETE COMPLETE OF RESOLUTION FINAL REPORT PER IDVP DESCRIPTION OF RESOLUTION DESCRIPTION DOCUMENT DATE ECD TASK NA 100 Section Note 2 The file 44 horizontal The horizontal 820309 830406 PG&E Open Item: 70144 Semimonthly and vertical seismic and vertical 2.2.4. CLOSED The existing file 44 Hosgri Status Report 2.2.4.3.1.1, s'eismic coeffihorizontal seismic coefficient coefficients have been No. 9 cients have been 2.2.4.3.2.2 verified for consistency for the auxiliary building Open Item 16 verified for conat elevation 163 ft is 5 ft. with current spectra. sistency with It should be 8.5. Changes are being reviewed current spectra for effect on design and modifications performed, and the pertinent DCH. This OI is if required. closed: the qualification of the affected piping and pipe supports for the piping reevaluation is addressed in OI 37. NA Note 2 100 Section All large bore All large bore piping 70145 Semimonthly 820309 830406 PG&E Open Item: 2.2.1. Class I lines have been analyzed by CLOSED Seismic anchor movement (SAH) Status Report have been identi- 2.2.1.3.1.1 computer. The effects effects were not addressed for No. 9 fied and reanalarge bore PG&E design Class I of SAM has been Open Item 17 lyzed by computer considered. lines that were installed by dynamic analysis span criteria and attached to techniques, which computer analyzed lines. include the SAM effects. The OI . is closed: the requalification of pipe supports for the piping reevaluation is addressed in OI 37. Section A or B 100 NA Seismic analyses for Correct floor 70146* Semimonthly 820309 830620 PG&E Open Item: (ASW (ASW response spectra 2.2.1, auxiliary saltwater Status Report Class I equipment for the **DUMDS** pumps) 2.2.1.3.2.2, have been system piping and electri-No. 9 auxiliary saltwater system only) cal conduit are reviewed to developed. Qual- 2.3, in the intake structure were Open Item 18 2.4, assure that qualification ification has qualified to the Hosgri ground is maintained. Oualifibeen demonstrated 2.5 response spectra instead of the for the auxiliary cation has been demonfloor response spectra. strated for the auxiliary saltwater pumps. saltwater pumps.

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<u>task</u>	INITIATING DOCUMENT	IDENT DATE ECD	DESCRIPTION	STATUS DESCRIPTION OF RESOLUTION	STATEMENT OF RESOLUTION	ITP PHASE I FINAL REPORT	CLASS PER IDVP	ANALYSIS COMPLETE	CATIONS COMPLETE
70148 -	Semimonthly Status Report No. 9 Open Item 19	820309 830418 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 stren- gthing. Modifications have been designed and issued for construction.	The 3D analysis of the polar crane has result- ed in modifica- tions which are underway.	Section 2.1.1.5	A or B	100	***
70147*	Semimonthly Status Report No. 9 Open Item 20	820309 830620	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. Mod- ifications may be required.	Section 2.1.1.5	A or B	***	***

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TASK	INITIATING DOCUMENT	IDENT DATE	<u>ECD</u>	DESCRIPTION	STATUS <u>Description of resolution</u>	CUNCLUSIVE STATEMENT OF RESOLUTION	ITP PHASE I	CLASS PER_IDVP	ANALYSIS COMPLETE	CATIONS COMPLETE
70161*	Semimonthly Status Report No. 10 Open Item 21	820322	830620	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 eleva- tion 163 ft spectra as pertain- ing 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 turbing 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 re- analyzed 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	***	***

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<u>TASK</u>	INITIATING DOCUMENT	IDENT <u>DATE</u> E	<u>ECD</u>	DESCRIPTION	STATUS DESCRIPTION OF RESOLUTION	CONCLUSIVE STATEMENT <u>of resolution</u>	REFERENCE TO ITP PHASE I <u>FINAL REPORT</u>	ERROR CLASS <u>PER IDVP</u>	X ANALYSIS <u>COMPLETE</u>	% MODIFI- CATIONS <u>COMPLETE</u>
70172	Semimonthly Status Report No. 11 Open Item 22	820405 8	330406 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 1b/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 con- sistent with the DCP criteria for modeling as rigid. The cur- rent design analysis con- sidered the flexibility of the CCW heat ex- changer by apply- ing the displace- ments of the HX at the nozzle in the seismic anchor movement analysis. All piping stresses are within allow- able values. This OI is closed; the addi- tional analyses and requalifica- tion of asso- ciated piping systems anchored by equipment pre- viously modeled as rigid for the piping reevalu- ation are ad- dressed 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 .
70174	Semimonthly Status Report No. 12 Open Item 23	820412 8 C	330408 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 dif- ferences between the results of the original six runs and the corresponding verification runs were insignifi- cant. This item is closed.	Appendix 1A	Deviatio	n 100	NA

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STATUS OF PGandE OPEN ITEMS

<u>TASK</u> 70175*	INITIATING DOCUMENT Semimonthly Status Report No. 12 Open Item 24	IDENT <u>DATE</u> <u>ECD</u> 820414 830620	DESCRIPTION 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-THI modifications on the building response.	STATUS <u>DESCRIPTION OF RESOLUTION</u> 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.	CONCLUSIVE STATEMENT OF RESOLUTION	REFERENCE TO ITP PHASE I <u>FINAL REPORT</u> Section 2.1.4	ERROR CLASS <u>PER IDVP</u> Open 1ter	% ANALYSIS <u>COMPLETE</u> D ***	% MODIFI- CATIONS <u>COMPLETE</u> ***
70176	Semimonthly Status Report No. 12 Open Item 25	820420 830615	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 additioin, the DCP is performing parametric studies considered necessary to ensure that qualifiction is maintained.		Section 2.1.1	Open Iter	n ***	***

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TASK	INITIATING DOCUMENT	IDENT DATE	<u>ECD</u>	DESCRIPTION		STATUS DESCRIPTION_OF_RESOLUTION	CONCLUSIVE STATEMENT OF RESOLUTION	REFERENCE TO ITP PHASE I FINAL REPORT	ERROR CLASS <u>PER_IDVP</u>	X ANALYSIS COMPLETE	% MODIFI- CATIONS COMPLETE
70183	Semimonthly Status Report No. 13 Open Item 26	820504	820611 CLOSED	PG&E Open Item: The Blume Internal Review have 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.	as se rt s	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 appropriatness 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 trun- cated time- history produces an identical re- sponse spectrum to that of the original time- history. This item is closed.	Section 2.1.2	C	100	NA

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<u>TASK</u>	INITIATING DOCUMENT	IDENT DATE E	<u>CD</u>	DESCRIPTION	STATUS DESCRIPTION OF RESOLUTION	STATEMENT OF_RESOLUTION	ITP PHASE I FINAL REPORT	CLASS PER IDVP	ANALYSIS COMPLETE	CATIONS COMPLETE
70184	Semimonthly Status Report No. 13 Open Item 27	820503 8 C	130418 SLOSED	PG&E Open Item: The Blume Internal Review has identified a possible discrep- ancy 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 quali- fied 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
70185	Semimonthly Status Report No. 13 Open Item 28	830131 <u>.</u> 8 C	30418 Losed	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 and installed.	20,000 amp interrupting capacity breakers were procured and will be installed.	Six replacement breakers have been installed that meet specif- ications.	None	A	100	100

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<u>TASK</u>	INITIATING DOCUMENT	IDENT DATE	<u>ECD</u>	DESCRIPTION	STATUS DESCRIPTION_OF_RESOLUTION	CONCLUSIVE STATEMENT <u>OF RESOLUTION</u>	REFERENCE TO ITP PHASE I FINAL REPORT	ERROR CLASS <u>PER_IDVP</u>	% ANALYSIS <u>COMPLETE</u>	% MODIFI- CATIONS <u>COMPLETE</u>
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 deter- mined. 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 veri- fied and the appropriate DCM issued. Large bore pipe is com- puter analyzed as dictated by DCP procedure. This OI is closed; qualification of pipe supports, including the effect of insu- lation 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 pressuri- zation 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.	Two tests have been per- formed. These tests pro- vided performance data that air distribution and temperature control can be maintained satisfact- orily with one of four trains. However design conditions added to the conditions indicate two ventilation trains are necessary. Electrical power shall be modified so that Unit I vital power is provided to Unit I equipment, and Unit 2 power to Unit 2 equipment. Electrical Power to isolation dampers shall be transferable between Unit 1 & 2.	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	A	NA

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STATUS OF PGandE OPEN ITEMS

<u>TASK</u> 70202*	INITIATING DOCUMENT Semimonthly Status Report No. 15 Open Item 31	10ENT DATE 820604	<u>ECD</u> 830518 CLOSED	DESCRIPTION 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.	STATUS DESCRIPTION OF RESOLUTION 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	CONCLUSIVE STATEMENT OF RESOLUTION The as-built structural eval- uation of the main steam and feedwater G-line anchor has been performed and concludes that the support is acceptable with- out modification	REFERENCE TO ITP PHASE I <u>FINAL REPORT</u> Section 2.2.3, 2.2.3.3.1	ERROR CLASS <u>PER IDVP</u> A or B	% ANALYSIS COMPLETE 100	% MODIFI- CATIONS <u>COMPLETE</u> NA
70203*	Semimonthly Status Report No. 15 Open Item 32	820607	830620	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.	necessary. 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 modi- fication of the fuel handling building. The modifications will include ad- ditional bracing in the walls and roof, with stronger connec- tions throughout the building. A final verifica- tion will be done when modi- fications are complete and as- built information is available.	Section 2.1.3	A	***	***

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STATUS OF PGandE OPEN ITEMS

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<u>task</u>	INITIATING DOCUMENT	IDENT DATE	<u>ECD</u>	DESCRIPTION	STATUS DESCRIPTION_OF_RESOLUTION	STATEMENT OF RESOLUTION	ITP PHASE I FINAL_REPORT	CLASS <u>PER_IDV</u>	ANALYSI: P COMPLET	S CATIONS <u>E COMPLETE</u>
70212*	Semimonthly Status Report No. 19 Open Item 33	820813	830620	PG&E Open Item: A review of the Hosgri qualifi- cation 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	830630	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 in- formation to the NRC pertaining to seismic qualification, basis for 64 ⁰ ocean temperature, and maximum flow/single failure analysis re- quest by the Staff.	The NRC is re- viewing the DCP letters reporting the results of investigations.		Open It	≥m 90	0
70332*	Semimonthly Status Report No. 31 Open Item 35	830207	830630	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 race- way supports.	The deficiencies in STRUDL- II are being evaluated to determine the impact on analyses that have been performed using this computer program.			B		
70333*	Semimonthly Status Report No. 31 Open Item 36	830207	830630	PG&E Open Item: A discrepancy has been identi- fied 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 re- quired environmental conditions will be met. In addition, all Class 1 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	

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STATUS OF PGandE OPEN ITEMS

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<u>task</u>	INITIATING DOCUMENT	IDENT <u>DATE</u> EC	DDESCRIPTION	STATUS <u>Description of resolution</u>	STATEMENT OF_RESOLUTION	ITP PHASE I FINAL REPORT	CLASS PER IDVP	ANALYSIS COMPLETE	CATIONS COMPLETE
70340 *	Semimonthly Status Report No. 35 Open Item 37	830406 83	0610 This is an administrative open item to document and track aspects of the piping review program. These aspects include the generic portions of discre- pancies 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 Progra (CAP) implemented in August 1982	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	**	**
			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.	, ,	•			2	
70344*	Semimonthly Status Report No. 36 Open Item 38	830412 83	0630 Two radiation monitors for the fuel handling building ventil- ation system do not fully comply with Regulatory Guide 1.52.	Loop RE5 and RE9 will be reclassified to Instrument (Class IA. Instrumentation needs to be seismically qualified, and wiring needs to be separated to comply with the regulatory guide.			A or B	10	0 ,
703451	Semimonthly Status Report No. 37 Open Item 39	830509 83	0615 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 includ- ing the crushable bumpers.			A or B	***	



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