

Pacific Gas and Electric Company
Semimonthly Report No. 21
Diablo Canyon Verification Program
September 10, 1982

SUMMARY

This is PGandE's twenty-first semimonthly status report which summarizes the progress of our design verification program from August 23, 1982, through September 7, 1982.

The Teledyne Engineering Services (TES) Independent Design Verification Program (Independent Program or IDVP) has identified 183 items to date. All but 36 items represent TES' review of work performed by R. L. Cloud Associates (RLCA) and R. F. Reedy, Inc. (RFR) prior to March 25, 1982. Of the 183 items, 133 completion reports have been issued, 21 require action by PGandE, and 29 require action by the Independent Program. The results of TES' review of RLCA work to date are reflected in our attached tracking system listing.

PGandE has reviewed the Independent Program's Twentieth Progress Report and has no comments at this time.

PGandE's Internal Technical Program has identified to date a total of 33 items. During this reporting period, no new items were identified. To date, six of the 33 items have been closed by PGandE.

A meeting was conducted on September 1, 1982 between NRC, the IDVP and the Diablo Canyon Project (Project). The status of the corrective action program was discussed at this meeting.



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STATUS OF INDEPENDENT PROGRAM

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

I. Status Of Independent Program Items

TES Review Of Pre-March 25, 1982, Work

TES has completed its review of work performed prior to March 25, 1982, by the independent consultants. Each of the previously identified Error and Open Item Reports is being appropriately incorporated into the TES Independent Program reporting system.

Status Of Reports

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.

II. Independent Program Requests For Information

Thirty of 420 Requests For Information by the Independent Program remain outstanding as of this report (Attachment II). Certain of the items listed in Attachment II relate to Phase II of the verification effort. TES has submitted its Phase II Plan to the NRC. Although this portion of the verification effort is awaiting NRC approval, TES has initiated work in the Independent Program related to Phase II. Once the Phase II Plan has been approved by the NRC, PGandE will report on the progress and status of Phase II work in a separate section in the semimonthly reports.

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TABLE 1: SUMMARY OF ATTACHMENT I

<u>TYPE OF INDEPENDENT PROGRAM REPORTS</u>	<u>NUMBER REPORTED AS OF AUGUST 23, 1982</u>	<u>NUMBER REPORTED AS OF SEPTEMBER 7, 1982</u>
Open Item Reports	9	6
Potential Program Resolution Reports		
Closed Item	1	6
Deviation	1	1
Open Item with future action by PGandE	1	4
Subtotal	<u>3</u>	<u>11</u>
Program Resolution Reports		
Closed Item	0	0
Deviation	1	1
Open Item with future action by PGandE	18	11
Subtotal	<u>19</u>	<u>12</u>
Potential Error Reports		
Class A Error	1	1
Class A or B Error	0	1
Class B Error	0	0
Class C Error	3	4
Class D Error	0	0
Subtotal	<u>4</u>	<u>6</u>
Error Reports		
Class A Error	3	3
Class A or B Error	3	2
Class B Error	1	1
Class C Error	6	9
Class D Error	0	0
Subtotal	<u>13</u>	<u>15</u>
Completion Reports	133	133
TOTAL NUMBER OF REPORTS	<u>181</u>	<u>183</u>

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.

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III. PGandE's Review of Independent Program's Twentieth Progress Reports

PGandE has reviewed the Independent Program's Twentieth Progress Report and has no comments at this time.

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.

I. Annulus Review

This subsection provides a description of PGandE's progress in resolving concerns identified during review of the annulus design. Issues which were described in this section in previous reports but which are not now listed here, such as mechanical, piping, and conduit supports, are now complete.

Civil Engineering

Structures

The confirmatory analysis of the steel annulus structure is continuing. This analysis accounts for loadings from as-built mechanical equipment and piping. All members and their connections will be evaluated for Hosgri, DDE, and DE. The examination of the structure for Hosgri loads is complete, including the design of modifications. Confirmatory analyses of this structure for DE and DDE are in progress.



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II. Corrective Action Program

Meeting With NRC

Representatives from the NRC and the IDVP met with the Project on September 1, 1982. During this meeting, the Project presented information on the status and progress of the corrective action program. At the same time, the Project provided to the NRC and TES certain sections of the Phase I Final Report (September 1, 1982) of the design verification program. The information included in those sections consists of descriptions of the scope, criteria, and methodology used in the review effort as a part of the corrective action program. Other sections of the Phase I Final Report will be submitted in accordance with the schedule as established in PG&E's August 20, 1982 letter (from P.A. Crane to D.G. Eisenhut).

Piping Review

Status reporting for each particular piping issue, identified as an Open Item by the Internal Technical Program and listed in Attachment III, has been discontinued. The status of piping review is now given on Table 2.

III. Open Items Status

To date, a total of 33 open items have been identified by PGandE (Attachment III). No new open item was identified during this period. To date, six open items generated by the Internal Technical Program have been closed by PGandE.

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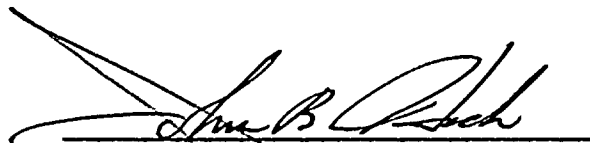
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TABLE 2: STATUS OF PIPING REVIEW

	<u>Percent Complete</u>
Large Bore Piping	
Field as-built check	95
Drawing incorporation of field check results	50
Establish procedures and criteria	100
Qualification or reanalysis of seismic and thermal problems	15
Large Bore Pipe Supports	
Procedures and criteria	100
Qualification or redesign of pipe supports	8
Small Bore Piping	
Procedures and criteria	90
Initial sample selections	90
Small Bore Pipe Supports	
Procedures and criteria	90
Initial sample selections	90



 John B. Hoch
 Diablo Canyon Project Manager

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ATTACHMENT I

STATUS OF IDVP ITEMS

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.

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The following information was obtained from the records of the
 Department of the Interior, Bureau of Land Management, regarding
 the land parcels described herein. The parcels are located in
 the State of California, County of [County Name], and are
 situated in the [Area Name] area. The parcels are described as
 follows:

Parcel 1: [Parcel Description]
 Parcel 2: [Parcel Description]
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 Parcel 11: [Parcel Description]
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 Parcel 13: [Parcel Description]
 Parcel 14: [Parcel Description]
 Parcel 15: [Parcel Description]
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STATUS OF IDVP ITEMS

<u>FILE NO.</u>	<u>SUBJECT</u>	<u>REV. 0 DATE</u>	<u>LATEST REV. NO.</u>	<u>LATEST REV. DATE</u>	<u>STATUS</u>	<u>ACTION REQ'D BY</u>	<u>PHY. MODS</u>	<u>PG&E 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 8805B ORIENTATION	01-20-82	3	06-19-82	PRR/OIP	IDVP	NO	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

STATUS OF IDVP ITEMS

<u>FILE NO.</u>	<u>SUBJECT</u>	<u>REV. 0 DATE</u>	<u>LATEST REV. NO.</u>	<u>LATEST REV. DATE</u>	<u>STATUS</u>	<u>ACTION REQ'D BY</u>	<u>PHY. MODS</u>	<u>PG&E TASK NO.</u>
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	2	09-03-82	OIR	IDVP	YES	70021
950	VALVE FCV 95 PLATE THICKNESS	01-28-82	7	07-01-82	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

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STATUS OF IDVP ITEMS

<u>FILE NO.</u>	<u>SUBJECT</u>	<u>REV. 0 DATE</u>	<u>LATEST REV. NO.</u>	<u>LATEST REV. DATE</u>	<u>STATUS</u>	<u>ACTION REQ'D BY</u>	<u>PHY. MODS</u>	<u>PG&E TASK NO.</u>
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	2	06-19-82	PRR/OIP	PG&E		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	5	07-19-82	ER/B	PG&E		70035
964	LINE 2519 SUPPORT IDENTIFICATION	01-29-82	3	05-10-82	ER/C	PG&E		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	4	09-07-82	PPRR/CI	IDVP		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

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STATUS OF IDVP ITEMS

<u>FILE NO.</u>	<u>SUBJECT</u>	<u>REV. 0 DATE</u>	<u>LATEST REV. NO.</u>	<u>LATEST REV. DATE</u>	<u>STATUS</u>	<u>ACTION REQ'D BY</u>	<u>PHY. MODS</u>	<u>PG&E TASK NO.</u>
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	4	09-07-82	PPRR/CI	IDVP		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 SPECTRA	02-05-82	1	04-21-82	ER/A	PG&E		70055



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STATUS OF IDVP ITEMS

<u>FILE NO.</u>	<u>SUBJECT</u>	<u>REV. 0 DATE</u>	<u>LATEST REV. NO.</u>	<u>LATEST REV. DATE</u>	<u>STATUS</u>	<u>ACTION REQ'D BY</u>	<u>PHY. MODS</u>	<u>PG&E 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	4	09-07-82	PPRR/CI	IDVP		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	4	08-24-82	PPRR/CI	IDVP		70064
993*	OD WATER TANK DESIGN INFO	02-05-82	4	08-24-82	PPRR/OIP	IDVP		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

[The text in this section is extremely faint and illegible. It appears to be a list or a series of entries, possibly organized in a table or columns. Some faint characters and symbols are visible, but they cannot be transcribed accurately.]

STATUS OF IDVP ITEMS

<u>FILE NO.</u>	<u>SUBJECT</u>	<u>REV. 0 DATE</u>	<u>LATEST REV. NO.</u>	<u>LATEST REV. DATE</u>	<u>STATUS</u>	<u>ACTION REQ'D BY</u>	<u>PHY. MODS</u>	<u>PG&E TASK NO.</u>
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	5	06-23-82	CR	CLOSED	NO	70074
1003*	4 KV SW RM HVAC DUCT SUPPORT	02-05-82	4	08-25-82	PER/C	IDVP	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	2	06-08-82	ER/C	IDVP	NO	70080

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STATUS OF IDVP ITEMS

<u>FILE NO.</u>	<u>SUBJECT</u>	<u>REV. 0 DATE</u>	<u>LATEST REV. NO.</u>	<u>LATEST REV. DATE</u>	<u>STATUS</u>	<u>ACTION REQ'D BY</u>	<u>PHY. MODS</u>	<u>PG&E TASK NO.</u>
1009*	CONTAINMENT INTERIOR ABOVE 140 SPECTRA	02-09-82	4	09-07-82	PPRR/CI	IDVP		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	7	07-23-82	CR	CLOSED	NO	70085
1014*	CONTAINMENT EXTERIOR PIPE RACK	02-09-82	4	09-07-82	PPRR/OIP	IDVP		70086
1015	DG OIL PRIMING TANK DAMPING	02-11-82	2	04-17-82	CR	CLOSED	NO	70087
1016	ANCHOR ALLOWABLES	02-11-82	2	06-21-82	PPRR/OIP	IDVP	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

STATUS OF IDVP ITEMS

<u>FILE NO.</u>	<u>SUBJECT</u>	<u>REV. 0 DATE</u>	<u>LATEST REV. NO.</u>	<u>LATEST REV. DATE</u>	<u>STATUS</u>	<u>ACTION REQ'D BY</u>	<u>PHY. MODS</u>	<u>PG&E TASK NO.</u>
1020	AUX SALTWATER PUMP PRELIM SPECTRA	02-18-82	3	06-29-82	CR	CLOSED	NO	70091
1021	CCMHX ANALYSIS AS RIGID ANCHOR	02-18-82	2	05-10-82	PRR/OIP	PG&E		70092
1022*	POSITION OF AUX SALTWATER PUMP SUPPORT	02-18-82	4	09-07-82	PER/AB	IDVP		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	SPECTRA FOR TURB BLDG CLASS I ELEC CONDUIT	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	5	07-13-82	PRR/OIP	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

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STATUS OF IDVP ITEMS

<u>FILE NO.</u>	<u>SUBJECT</u>	<u>REV. 0 DATE</u>	<u>LATEST REV. NO.</u>	<u>LATEST REV. DATE</u>	<u>STATUS</u>	<u>ACTION REQ'D BY</u>	<u>PHY. MODS</u>	<u>PG&E TASK NO.</u>
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	70132
1047	SMALL BORE LINES LOCATION	03-08-82	3	07-08-82	OIR	IDVP	NO	70133
1048	SUPPORT 99/101R LOCATION	03-08-82	3	06-10-82	CR	CLOSED	NO	70134



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STATUS OF IDVP ITEMS

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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	2	07-13-82	PRR/OIP	IDVP		70152
1059	SMALL BORE PIPE REPORT OVERSTRESS	03-15-82	2	06-21-82	PRR/OIP	PG&E		70153
1060	PIPES AND ADPIPE CODES	03-15-82	1	08-16-82	OIR	IDVP		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	3	08-05-82	ER/C	PG&E		70156
1063	RLCA PIPING ANALYSIS 107-STRESS DIFFERENCE	03-15-82	2	07-22-82	ER/C	PG&E		70157



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STATUS OF IDVP ITEMS

<u>FILE NO.</u>	<u>SUBJECT</u>	<u>REV. 0 DATE</u>	<u>LATEST REV. NO.</u>	<u>LATEST REV. DATE</u>	<u>STATUS</u>	<u>ACTION REQ'D BY</u>	<u>PHY. MODS</u>	<u>PG&E TASK NO.</u>
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	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	3	08-11-82	ER/C	PG&E		70166
1072	TURBINE-DRIVEN AUX FEEDWATER PUMP	03-23-82	2	07-08-82	PRR/DEV	IDVP	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	2	08-05-82	ER/C	PG&E		70169
1075	SUPPORTS 5007-R & 18-5R DIRECTION	03-31-82	3	06-19-82	CR	CLOSED	NO	70170



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STATUS OF IDVP ITEMS

<u>FILE NO.</u>	<u>SUBJECT</u>	<u>REV. 0 DATE</u>	<u>LATEST REV. NO.</u>	<u>LATEST REV. DATE</u>	<u>STATUS</u>	<u>ACTION REQ'D BY</u>	<u>PHY. MODS</u>	<u>PG&E TASK NO.</u>
1076	SUPPORT 55S-3R DIRECTION	03-30-82	3	05-24-82	CR	CLOSED	NO	70171
1077	HVAC DUCT SUPPORT	04-06-82	4	08-11-82	PRR/OIP	PG&E	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	2	09-03-82	ER/C	PG&E		70179
1081*	RLCA PIPING ANALYSIS 104 - STRESS DIFFERENCE	04-22-82	2	08-31-82	ER/C	PG&E		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	3	08-19-82	PPRR/CI	IDVP	NO	70182
1084*	RLCA PIPING ANALYSIS 102	05-14-82	2	08-23-82	ER/C	IDVP		70187
1085*	RLCA PIPING ANALYSIS 105	05-14-82	3	08-31-82	ER/C	PG&E		70188
1086*	RLCA PIPING ANALYSIS 108	05-14-82	1	08-24-82	PER/C	IDVP		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	2	08-17-82	OIR	IDVP	NO	70191
1089	PIPE SUPPORT 3/30A	05-21-82	3	06-19-82	CR	CLOSED	NO	70199

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STATUS OF IDVP ITEMS

<u>FILE NO.</u>	<u>SUBJECT</u>	<u>REV. 0 DATE</u>	<u>LATEST REV. NO.</u>	<u>LATEST REV. DATE</u>	<u>STATUS</u>	<u>ACTION REQ'D BY</u>	<u>PHY. MODS</u>	<u>PG&E TASK NO.</u>
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	06-11-82	6	08-10-82	ER/A	PG&E		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	3	07-09-82	PRR/OIP	PG&E	NO	70206
1095	AUX BLDG - FLOOR RESPONSE SPECTRA	07-09-82	0	07-09-82	OIR	IDVP		70207
1096	SUPPLY FAN S-31	07-09-82	1	07-13-82	PER/A	IDVP		70208
1097	AUX BLDG - FAN/MACHINE RM	07-13-82	4	07-22-82	ER/AB	PG&E		70209
1098	RLCA PIPING ANALYSIS 102 - SEP/STABILIZER	07-14-82	2	07-23-82	PRR/OIP	PG&E		70210
1099	CCW HX FIELD INSPECTION DEFICIENCY	08-04-82	2	08-20-82	PRR/OIP	PG&E		70211
1100	HLA SOILS REVIEW - OD WATER STORAGE TANKS	08-16-82	1	08-18-82	PPRR/DEV	IDVP		70215
1101	HLA SOILS REVIEW - OD WATER STORAGE TANKS	08-16-82	1	08-18-82	PPRR/OIP	IDVP		70216
1102	HVAC DAMPER 7A	08-19-82	1	08-19-82	PER/C	IDVP		70217
1103*	PIPE SUPPORTS ATTACHED TO AUXILIARY STEEL	08-31-82	1	08-31-82	PPRR/OIP	IDVP		70218
1104*	RLCA PIPING ANALYSIS 110 LINES 4260 AND 3078	09-03-82	0	09-03-82	OIR	IDVP		70219

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STATUS OF IDVP ITEMS

<u>FILE NO.</u>	<u>SUBJECT</u>	<u>REV. 0 DATE</u>	<u>LATEST REV. NO.</u>	<u>LATEST REV. DATE</u>	<u>STATUS</u>	<u>ACTION REQ'D BY</u>	<u>PHY. MODS</u>	<u>PG&E TASK NO.</u>
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

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ATTACHMENT II

OUTSTANDING
IDVP REQUESTS FOR INFORMATION

* One asterisk denotes a revision since the last report.

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

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OUTSTANDING IDVP REQUESTS FOR INFORMATION

<u>REQUEST NO.</u>	<u>DATE OF REQUEST</u>	<u>DESCRIPTION OF REQUEST</u>	<u>ESTIMATED DELIVERY DATE</u>	<u>RESPONSIBLE GROUP</u>
RLCA-173	04-27-82	Input and output information for diesel fuel oil tanks.	To be determined at a later date.	CIVIL
RLCA-174	04-27-82	Trip and travel information for auxiliary salt water pipe lines.	To be determined at a later date.	CIVIL
RLCA-201	05-20-82	Seismic analysis for fuel handling building.	To be determined at a later date.	CIVIL
RLCA-236	07-01-82	Hosgri design analysis for two auxiliary building members.	11-30-82	CIVIL
RLCA-241	07-02-82	Two NCRs and 27 DRs and all of their attachments.	To be determined at a later date.	PROJECT MANAGEMENT
RLCA-247	07-06-82	Computer input/output and NRC correspondence related to soil spring stiffness values.	To be determined at a later date.	CIVIL



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OUTSTANDING IDVP REQUESTS FOR INFORMATION

<u>REQUEST NO.</u>	<u>DATE OF REQUEST</u>	<u>DESCRIPTION OF REQUEST</u>	<u>ESTIMATED DELIVERY DATE</u>	<u>RESPONSIBLE GROUP</u>
RLCA-274*	08-10-82	HVAC duct and duct support licensing criteria.	09-14-82	CIVIL LICENSING
RLCA-280*	08-10-82	Final excavation survey of the outdoor water storage tank area.	09-13-82	CIVIL
RLCA-284*	08-12-82	Computer input (model geometry) for the intake, containment, and turbine buildings.	09-13-82	CIVIL
RLCA-286*	08-12-82	Qualification analyses for the instrument ac panel and instrument panels PIA, B, and C.	09-30-82	ELEC
RLCA-291*	08-18-82	16 design valve accelerations.	09-17-82	CIVIL PIPING
RLCA-293*	08-18-82	Drawings of modifications to main annunciator cabinet.	09-17-82	ELEC
RLCA-294**	08-19-82	Procedures and results of the comparison of controlled spectra against all Hosgri qualifications and implementation of the recommendations in Section 3.5 of ITR 4.	To be determined at a later date	I & C ELEC



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OUTSTANDING IDVP REQUESTS FOR INFORMATION

<u>REQUEST NO.</u>	<u>DATE OF REQUEST</u>	<u>DESCRIPTION OF REQUEST</u>	<u>ESTIMATED DELIVERY DATE</u>	<u>RESPONSIBLE GROUP</u>
RLCA-297**	08-20-82	Current revision of raceway seismic analysis criteria.	To be determined at a later date	CIVIL
RLCA-298**	08-20-82	DE spectra curves current as of 11-30-81 and 8-20-82.	To be determined at a later date	CIVIL
RLCA-299**	08-20-82	Procedures and criteria applicable to the current building reanalysis and review and property calculations revised for the current building reanalysis and review.	To be determined at a later date	CIVIL
RLCA-300**	08-23-82	Complete analysis package including the computer printout for the newly revised main annunciator cabinet qualification analysis.	To be determined at a later date	CIVIL
RLCA-301**	08-23-82	Current revisions of 4 pipe support drawings.	To be determined at a later date	PIPING
RLCA-303**	08-24-82	Response spectra at the outlet nozzle of steam generator 1-2.	09-17-82	PIPING MECH SYS
RLCA-304**	08-24-82	PGandE seismic analysis of piping line 227 inside containment dated prior to 11-30-81.	09-17-82	PIPING



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OUTSTANDING IDVP REQUESTS FOR INFORMATION

<u>REQUEST NO.</u>	<u>DATE OF REQUEST</u>	<u>DESCRIPTION OF REQUEST</u>	<u>ESTIMATED DELIVERY DATE</u>	<u>RESPONSIBLE GROUP</u>
RLCA-306**	08-24-82	Computer code documentation and benchmarking for all codes being used for the current seismic reevaluation.	To be determined at a later date	PROJECT
RLCA-308**	08-24-82	1977 and 1979 auxiliary building Blume reports.	To be determined at a later date	CIVIL
RLCA-311**	08-25-82	Additional licensing criteria beyond USA B31.1 1967 applicable to the thermal analysis of PGandE Design Class 1 piping and sources for all thermal operating conditions from normal to faulted.	To be determined at a later date	PIPING LICENSING
RLCA-313**	08-27-82	Verification of RLCA assumption that all valves have their operators mounted in the vertical direction for the purpose of the analysis.	09-10-82	MECH SYS
RLCA-314**	08-27-82	All sections noted in the 8-20-82 Crane to Eisenhower letter with 9-1-82 due dates.	09-13-82	LICENSING
RLCA-316**	08-27-82	Latest soil spring calculations.	To be determined at a later date	CIVIL



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OUTSTANDING IDVP REQUESTS FOR INFORMATION

<u>REQUEST NO.</u>	<u>DATE OF REQUEST</u>	<u>DESCRIPTION OF REQUEST</u>	<u>ESTIMATED DELIVERY DATE</u>	<u>RESPONSIBLE GROUP</u>
RLCA-317**	08-27-82	All piping line numbers represented by I. Piping (table 1 and 2).	09-17-82	LICENSING
RLCA-318**	08-31-82	Pre 11-81 valve acceleration qualification for Spec 8729, items 15 and 17.	09-17-82	PIPING
RLCA-319**	09-02-82	Valve acceleration qualification limits for Spec 8729, item 24.	09-17-82	PIPING
SWEC-16* (Phase II)	07-22-82	Documentation of motor starting voltage.	10-01-82	ELEC
SWEC-32** (Phase II)	09-03-82	Fire Protection Review bases.	To be determined at a later date	MECH SYS



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ATTACHMENT III

OTHER FINDINGS (OPEN ITEMS)

LEGEND

- * Asterisk denotes item with revisions this reporting period.
- 1. TASK: The number assigned by PGandE for tracking.
- 2. INITIATING DOCUMENT: The document which first identified the open item.
- 3. IDENT DT: The date the problem was identified (year-month-day).
- 4. ECD: Estimated completion date. The computer will enter 999999 until a date is entered.
- 5. DESCRIPTION: Self-explanatory.
- 6. STATUS: Describes status of resolution.
- 7. A%C: Actual percent complete.
- 8. CLS DT: Closed date.
- ** Status is reflected in Table 2.

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



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STATUS OF PG&E OPEN ITEMS

<u>TASK</u>	<u>INITIATING DOCUMENT</u>	<u>IDENT DT</u>	<u>ECD</u>	<u>DESCRIPTION</u>	<u>STATUS</u>	<u>A% C</u>	<u>CLS DT</u>
70098*	SEMIMONTHLY STATUS REPORT NO. 7 OTHER FINDINGS, ITEM 1	820212	821130	PG&E OPEN ITEM: MODELING OF ALL ANNULUS AREA VALVES WAS REVIEWED. SIX WERE FOUND TO BE MODELED INCORRECTLY. THE VALVE MODELING IN ALL UNIT 1 PIPING ANALYSES WILL BE REVIEWED. IF MODELING ERRORS ARE FOUND, AFFECTED PIPING ANALYSES WILL BE RERUN.	THIS ITEM IS ADDRESSED IN SECTIONS 2.2.1, 2.2.1.3.3.2 (2), 2.2.2, AND 2.2.2.3.1.2 OF THE PHASE I FINAL REPORT.	**	
70099	SEMIMONTHLY STATUS REPORT NO. 7 OTHER FINDINGS, ITEM 2	820212	820521	PG&E OPEN ITEM: THE DIGITIZATION OF THE EAST-WEST TRANSLATIONAL HOSGRI SPECTRA FOR THE 140' ELEVATION IN THE AUXILIARY BUILDING HAS BEEN FOUND TO CONTAIN AN ERROR. ALL AFFECTED PIPING ANALYSES WILL BE RERUN AND PIPE SUPPORTS REQUALIFIED.	*CLOSED* ONE ANALYSIS WAS FOUND TO NEED REANALYSIS. THAT REANALYSIS IS COMPLETE, AND SUPPORT QUALIFICATION AND REDESIGN ARE COMPLETE.	100	820521 



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STATUS OF PGandE OPEN ITEMS

<u>TASK</u>	<u>INITIATING DOCUMENT</u>	<u>IDENT DT</u>	<u>ECD</u>	<u>DESCRIPTION</u>	<u>STATUS</u>	<u>A%C</u>	<u>CLS DT</u>
70100	SEMIMONTHLY STATUS REPORT NO. 7 OTHER FINDINGS, ITEM 3	820212	821215	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.	*PG&E ACTION REQUIRED* ALL RACEWAY SUPPORTS ARE BEING RE-EVALUATED BASED ON REVISED WEIGHTS. IF REQUIRED, MODIFICATIONS WILL BE MADE. RACEWAY SUPPORTS WILL BE REEVALUATED BASED ON REVISED AUXILIARY BUILDING SPECTRA NOW BEING DEVELOPED.	50	
70101	SEMIMONTHLY STATUS REPORT NO. 7 OTHER FINDINGS, ITEM 4	820212	820315	PG&E OPEN ITEM: REVIEW OF ALL UNIT 1 SMALL BORE PIPING HAS IDENTIFIED FORTY SUPPORTS REQUIRING VERTICAL RESTRAINT WHERE ONLY A SINGLE ROD WAS UTILIZED. MODIFICATION OF THESE SUPPORTS WILL BE MADE.	*CLOSED* ALL DESIGN CLASS I SMALL BORE PIPING SINGLE ROD SUPPORTS HAVE BEEN MODIFIED TO COMPLY WITH VERTICAL SEISMIC RESTRAINT REQUIREMENTS.	100	820315
70102*	SEMIMONTHLY STATUS REPORT NO. 7 OTHER FINDINGS, ITEM 5	820212	821130	PG&E OPEN ITEM: ONE VALVE LIST IN THE HOSGRI REPORT WAS NOT UPDATED AS REQUIRED BY THE SECOND PHASE. ALL DESIGN CLASS 1 ACTIVE VALVES WILL BE REVIEWED TO MAKE SURE THEY ARE QUALIFIED.	THIS ITEM IS ADDRESSED IN SECTIONS 2.2.1, 2.2.1.3.4 (3), 2.2.2, AND 2.2.2.3.2.2 OF THE PHASE I FINAL REPORT.	**	



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[The following text is extremely faint and largely illegible due to low contrast and scan quality. It appears to be a list or a series of entries, possibly containing names or numerical data. Some faint fragments are visible, such as "1928", "1929", and "1930", which might indicate years.]

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STATUS OF PGandE OPEN ITEMS

<u>TASK</u>	<u>INITIATING DOCUMENT</u>	<u>IDENT DT</u>	<u>ECD</u>	<u>DESCRIPTION</u>	<u>STATUS</u>	<u>A% C</u>	<u>CLS DT</u>
70103*	SEMIMONTHLY STATUS REPORT NO. 7 OTHER FINDINGS, ITEM 6	820212	821130	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.	*CLOSED* THIS ITEM WAS CLOSED ON APRIL 20, 1982 FOR THE SPECIFIC ISSUE IDENTIFIED. HOWEVER, THE STATUS OF PIPING REVIEW BEING PERFORMED AS A PART OF THE CORRECTIVE ACTION PROGRAM, WHICH INCLUDES RECONSIDERATION OF THIS ISSUE, IS REFLECTED IN TABLE 2. This item is addressed in Sections 2.2.2, 2.2.2.3.3, 2.2.4, and 2.2.4.3.2.2 of the Phase I Final Report.	**	
70104*	SEMIMONTHLY STATUS REPORT NO. 7 OTHER FINDINGS, ITEM 7	820212	821130	PG&E OPEN ITEM: PIPING REVIEW OF THE ANNULUS REVEALED TWO THERMAL ANALYSES WHICH USED INCORRECT MODELING OF SUPPORTS. A SAMPLE OF OTHER THERMAL ANALYSES WILL BE PERFORMED.	THIS ITEM IS ADDRESSED IN SECTIONS 2.2.1, 2.2.1.3.2.1, 2.2.2, AND 2.2.2.3.3 OF THE PHASE I FINAL REPORT.	**	



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STATUS OF PGandE OPEN ITEMS

<u>TASK</u>	<u>INITIATING DOCUMENT</u>	<u>IDENT DT</u>	<u>ECD</u>	<u>DESCRIPTION</u>	<u>STATUS</u>	<u>A%C</u>	<u>CLS DT</u>
70105*	SEMIMONTHLY STATUS REPORT NO. 7 OTHER FINDINGS, ITEM 8	820212	821130	PG&E OPEN ITEM: PIPING WITH SUPPORTS ATTACHED TO THE CONTAINMENT INTERNAL STRUCTURE ABOVE ELEVATION 140' WERE DYNAMICALLY ANALYZED USING 140' SPECTRA. 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.	THIS ITEM IS ADDRESSED IN SECTIONS 2.2.1, 2.2.1.3.2.2, 2.2.2, 2.2.2.3.2.1, AND 2.2.2.3.3 OF THE PHASE I FINAL REPORT	**	
70106*	SEMIMONTHLY STATUS REPORT NO. 7 OTHER FINDINGS, ITEM 9	820212	821130	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 PIPE SUPPORT DESIGNS WILL BE REVIEWED TO IDENTIFY ANY DEVIATIONS.	THIS ITEM IS ADDRESSED IN SECTIONS 2.2.3, 2.2.3.3.1, 2.2.4, AND 2.2.4.3.1.4 OF THE PHASE I FINAL REPORT.	**	



1. The first part of the document discusses the general principles of the project and the objectives that need to be achieved. It also outlines the scope of the work and the resources that will be required.

2. The second part of the document provides a detailed description of the tasks that will be performed and the timeline for their completion. It also identifies the key risks and potential challenges that may be encountered during the project.

3. The third part of the document describes the organizational structure of the project and the roles and responsibilities of the team members. It also outlines the communication and reporting mechanisms that will be used throughout the project.

4. The fourth part of the document provides a summary of the key findings and recommendations of the project. It also includes a list of references and a glossary of terms used throughout the document.

5. The fifth part of the document provides a detailed description of the tasks that will be performed and the timeline for their completion. It also identifies the key risks and potential challenges that may be encountered during the project.

6. The sixth part of the document describes the organizational structure of the project and the roles and responsibilities of the team members. It also outlines the communication and reporting mechanisms that will be used throughout the project.

STATUS OF PG&E OPEN ITEMS

<u>TASK</u>	<u>INITIATING DOCUMENT</u>	<u>IDENT DT</u>	<u>ECD</u>	<u>DESCRIPTION</u>	<u>STATUS</u>	<u>A%C</u>	<u>CLS DT</u>
70107*	SEMIMONTHLY STATUS REPORT NO. 7 OTHER FINDINGS, ITEM 10	820212	821130	PG&E OPEN ITEM: SEVEN ANALYSES WERE IDENTIFIED FOR WHICH THE SPECTRA SETS USED WERE NOT ENVELOPED BY THE APPROPRIATE REVISED REORIENTED SPECTRA. THE ANALYSES WILL BE RUN WITH APPROPRIATE SPECTRA.	THIS ITEM IS ADDRESSED IN SECTIONS 2.2.1, 2.2.1.3.2.2, 2.2.2, 2.2.2.3.2.1, AND 2.2.2.3.3 OF THE PHASE I FINAL REPORT.	**	
70108	SEMIMONTHLY STATUS REPORT NO 7 OTHER FINDINGS, ITEM 11.	820212	820910	PG&E OPEN ITEM: DYNAMIC PROPERTIES USED IN THE SEISMIC QUALIFICATION OF THE PLANT EXHAUST VENT WILL BE REVIEWED.	*PG&E ACTION REQUIRED* URS/BLUME HAS COMPLETED THE DYNAMIC ANALYSIS OF THE PLANT EXHAUST VENT. THE VENT AND ITS SUPPORT ARE DETERMINED TO BE ADEQUATE AND THE RESULTS ARE BEING FORMALIZED.	95	

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STATUS OF PGandE OPEN ITEMS

<u>TASK</u>	<u>INITIATING DOCUMENT</u>	<u>IDENT DT</u>	<u>ECD</u>	<u>DESCRIPTION</u>	<u>STATUS</u>	<u>A%C</u>	<u>CLS DT</u>
70109	SEMIMONTHLY STATUS REPORT NO. 7 OTHER FINDINGS ITEM 12	820212	820604	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.	*CLOSED* REVISED FLOOR RESPONSE SPECTRA HAVE BEEN GENER- ATED FOR TWO FRAMES. THE MAXIMUM EFFECT WAS A 12% INCREASE AT ONE ELEVATION FOR ONE FRAME OVER A NAR- ROW FREQUENCY RANGE. PIPING ANALYSES HAVE BEEN FOUND TO BE UNAFFECTED BY THE SPECTRA CHANGES. THE SPECTRA CHANGES WERE WITHIN THE ENVELOPE OF SPECTRA USED FOR ANALYSES OF PIPING SUPPORTED FROM THOSE FRAMES.	100	820604
70141*	SEMIMONTHLY STATUS REPORT NO. 8 OPEN ITEM 13	820127	821130	PG&E OPEN ITEM: RLCA HAS IDENTIFIED NUMEROUS DISCREPANCIES BETWEEN THE AS- BUILT PIPING CONFIGURATIONS AND THE PIPING ISOMETRIC DRAWINGS. AUDITS, DRAWING REVISIONS AND, AS NECESSARY, PLANT MODIFICA- TIONS WILL BE PERFORMED.	THIS ITEM IS ADDRESSED IN SECTIONS 2.2.1, 2.2.1.3.2.1, 2.2.2, 2.2.2.3.2.1, AND 2.2.2.3.3 OF THE PHASE I FINAL REPORT.	**	



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STATUS OF PGandE OPEN ITEMS

<u>TASK</u>	<u>INITIATING DOCUMENT</u>	<u>IDENT DT</u>	<u>ECD</u>	<u>DESCRIPTION</u>	<u>STATUS</u>	<u>A%C</u>	<u>CLS DT</u>
70142	SEMIMONTHLY STATUS REPORT NO. 8 OPEN ITEM 14	820224	820430	PG&E OPEN ITEM: A DEFICIENCY IN THE SMALL BORE SEISMIC ANCHOR MOVEMENT DESIGN CRITERIA DOCUMENT WAS FOUND DURING REVIEW AND 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.	*CLOSED* ALL SMALL BORE PIPING ATTACHED TO DYNAMICALLY ANALYZED LARGE BORE PIPING HAS BEEN REVIEWED TO PROPER CRITERIA FOR SKEWED LINES AND NO MODIFICATIONS WERE FOUND TO BE REQUIRED.	100	820421
70143*	SEMIMONTHLY STATUS REPORT NO. 9 OPEN ITEM 15	820309	821130	PG&E OPEN ITEM: DOCUMENTATION FOR THE QUALIFICA- TION OF CERTAIN SMALL BORE PIPING SUPPORT STANDARD DETAILS FOR BIDIRECTIONAL LOADING CANNOT BE LOCATED. THE EXISTING STANDARD DETAILS WILL BE REQUALIFIED	THIS ITEM IS ADDRESSED IN SECTIONS 2.2.4 AND 2.2.4.3.1.1 OF THE PHASE I FINAL REPORT.	**	

The first part of the document discusses the importance of maintaining accurate records. It states that proper record-keeping is essential for the efficient operation of any organization. This includes tracking financial transactions, personnel files, and operational data.

The second section focuses on the role of technology in modern record management. It highlights how digital databases and cloud storage solutions have revolutionized the way information is stored and accessed. These technologies offer enhanced security, scalability, and ease of use compared to traditional paper-based systems.

Additionally, the document addresses the challenges of data privacy and security. As organizations collect and store vast amounts of sensitive information, it is crucial to implement robust security protocols and comply with relevant regulations. This involves regular security audits, employee training, and the use of encryption techniques.

Finally, the text emphasizes the value of data analysis. By leveraging advanced analytics tools, organizations can gain valuable insights from their records. This data-driven approach allows for better decision-making, improved operational efficiency, and the identification of new business opportunities.

STATUS OF PGandE OPEN ITEMS

<u>TASK</u>	<u>INITIATING DOCUMENT</u>	<u>IDENT DT</u>	<u>ECD</u>	<u>DESCRIPTION</u>	<u>STATUS</u>	<u>A%C</u>	<u>CLS DT</u>
70144*	SEMIMONTHLY STATUS REPORT NO. 9 OPEN ITEM 16	820309	821130	PG&E OPEN ITEM: THE EXISTING FILE 44 HOSGRI HORIZONTAL SEISMIC COEFFICIENT FOR THE AUXILIARY BUILDING AT ELEVATION 163' IS 5. FT. SHOULD BE 8.5. THE FILE 44 HORIZONTAL AND VERTICAL SEISMIC COEFFICIENTS WILL BE VERIFIED FOR CURRENT SPECTRA	THIS ITEM IS ADDRESSED IN SECTIONS 2.2.2, 2.2.2.3.3, 2.2.4, 2.2.4.3.1.1, AND 2.2.4.3.2.2 OF THE PHASE I FINAL REPORT.	**	
70145*	SEMIMONTHLY STATUS REPORT NO. 9 OPEN ITEM 17	820309	821130	PG&E OPEN ITEM: SEISMIC ANCHOR MOVEMENT (SAM) EFFECTS WERE NOT ADDRESSED FOR LARGE BORE PG&E DESIGN CLASS I LINES THAT WE INSTALLED BY SPAN CRITERIA AND ATTACHED TO COMPUTER ANALYZED LINES. THESE LINES WILL BE IDENTIFIED AND ANALYZED FOR SAM.	THIS ITEM IS ADDRESSED IN SECTION 2.2.1 OF THE PHASE I FINAL REPORT.	**	



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STATUS OF PGandE OPEN ITEMS

<u>TASK</u>	<u>INITIATING DOCUMENT</u>	<u>IDENT DT</u>	<u>ECD</u>	<u>DESCRIPTION</u>	<u>STATUS</u>	<u>A%G</u>	<u>CLS DT</u>
70146*	SEMIMONTHLY STATUS REPORT NO. 9 OPEN ITEM 18	820309	821015	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	THIS ITEM IS ADDRESSED IN SECTIONS 2.2.1 AND 2.2.1.3.2.2 OF THE PHASE I FINAL REPORT.	**	
70148	SEMIMONTHLY STATUS REPORT NO. 9 OPEN ITEM 19	820309	821031	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 UNCONSERVATIVE	*PG&E ACTION REQUIRED* THE 3D ANALYSIS BEING PERFORMED BY URS/BLUME HAS IDENTIFIED SOME AREAS THAT MAY REQUIRE STRENGTHENING. DESIGN STUDIES ARE UNDERWAY TO MAINTAIN THE STRUCTURAL SYSTEM WITHIN ACCEPTABLE LIMITS.	40	
70147	SEMIMONTHLY STATUS REPORT NO. 9 OPEN ITEM 20	820309	821115	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.	*PG&E ACTION REQUIRED* ANALYSIS OF THE DOME SERVICE CRANE WILL CON- TINUE AS SOON AS INPUT FROM THE POLAR CRANE BECOMES AVAILABLE.	5	

STATUS OF PGandE OPEN ITEMS

<u>TASK</u>	<u>INITIATING DOCUMENT</u>	<u>IDENT DT</u>	<u>ECD</u>	<u>DESCRIPTION</u>	<u>STATUS</u>	<u>A%C</u>	<u>CLS DT</u>
70161	SEMIMONTHLY STATUS REPORT NO. 10 OPEN ITEM 21	820322	820910	PG&E OPEN ITEM: CALCULATIONS MADE BY EDS FOR 14" HVAC DUCT SUPPORT LOADINGS USED INCORRECT SEISMIC RESPONSE SPECTRA IN SOME CASES. THIS MAY HAVE RESULTED BECAUSE THE SPECTRA PROVIDED BY PG&E (SHOWN IN APPENDIX A OF THE EDS CALCUATION FILE) INADVERTENTLY OMITTED DESIGNATING THE ELEVATION 163' SPECTRA AS PERTAINING TO THE AUXILIARY BUILDING ONLY. APPARENTLY, EDS PERSONNEL MIS- TAKENLY ASSUMED THAT THOSE SPECTRA COULD BE USED FOR SEISMIC LOADING AT ELEVATION 163' IN THE TURBINE BUILDING.	*PG&E ACTION REQUIRED* FLOOR RESPONSE SPECTRA AT ELEVATION 163' IN THE TURBINE BUILDING HAVE BEEN DEVELOPED. THE HVAC DUCT AND ITS SUPPORTS HAVE BEEN REANALYZED. THE TURBINE BUILDING HAS BEEN CHECKED FOR THE NEW SUPPORT LOADS. DOCUMENTATION OF THIS WORK IS BEING FINALIZED.	95	
70172*	SEMIMONTHLY STATUS REPORT NO. 11 OPEN ITEM 22	820405	821130	PG&E OPEN ITEM: THE REACTOR COOLANT SYSTEM PRESSURIZER SUPPORTS AND THE COMPONENT COOLING WATER HEAT EXCHANGER WERE MODELED IN COMPANY SCOPE PIPING ANALYSES AS RIGID. ADDITIONAL ANALYSES WILL BE PERFORMED WITH ACTUAL EQUIPMENT STIFFNESSES TO VERIFY THE APPROPRIATENESS OF THIS MODELING TECHNIQUE, OR REANALYSIS AND REQUALIFICATION OF ASSOCIATED PIPING SYSTEMS WILL BE PERFORMED.	THIS ITEM IS ADDRESSED IN SECTIONS 2.2.1, 2.2.1.3.3.2 (4), 2.2.2, AND 2.2.2.3.2.1 OF THE PHASE I FINAL REPORT.	**	



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STATUS OF PGandE OPEN ITEMS

<u>TASK</u>	<u>INITIATING DOCUMENT</u>	<u>IDENT DT</u>	<u>ECD</u>	<u>DESCRIPTION</u>	<u>STATUS</u>	<u>A%C</u>	<u>CLS DT</u>
70174	SEMIMONTHLY STATUS REPORT NO. 12 OPEN ITEM 23	820412	821001	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.	*PG&E ACTION REQUIRED* A VERIFICATION PROGRAM IS BEING PERFORMED TO ENSURE THAT THE COMPUTER PROGRAMS WHICH WERE USED AND WERE NOT QA VERIFIED PROVIDED CORRECT RESULTS.	65	
70175	SEMIMONTHLY STATUS REPORT NO. 12 OPEN ITEM 24	820414	821001	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 THE HOSGRI AND POST-TMI MODIFICATIONS ON THE BUILDING RESPONSE.	*PG&E ACTION REQUIRED* PG&E IS CONTINUING TO MONITOR THE RESOLUTION OF THE BIR ITEMS.	60	

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STATUS OF PGandE OPEN ITEMS

<u>TASK</u>	<u>INITIATING DOCUMENT</u>	<u>IDENT DT</u>	<u>ECD</u>	<u>DESCRIPTION</u>	<u>STATUS</u>	<u>A%C</u>	<u>CLS DT</u>
70176	SEMIMONTHLY STATUS REPORT NO. 12 OPEN ITEM 25	820420	820917	PG&E OPEN ITEM: THE BLUME INTERNAL REVIEW HAS IDENTIFIED QUESTIONS RELATED TO THE SEISMIC ANALYSIS OF THE CONTAINMENT INTERIOR. THESE QUESTIONS ARE INSUF- FICIENTLY ADDRESSED IN THE EXISTING DOCUMENTATION OF THE ANALYSES, AND RELATE TO THE MASS, SHEAR VALUES, STIFF- NESS, AND TO THE CENTERS OF MASS AND RIGIDITY OF THE MODEL AS WELL AS TO THE INTERPRETATION OF SOME OF THE RESULTS.	*PG&E ACTION REQUIRED* PG&E IS CONTINUING TO MONITOR THE RESOLUTION OF THE BIR ITEMS.	80	
70183	SEMIMONTHLY STATUS REPORT NO. 13 OPEN ITEM 26	820504	820504	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.	*CLOSED* CALCULATIONS HAVE BEEN PERFORMED AND WILL BE INCLUDED IN REVISION 1 OF THE CALCULATION FILES WHICH DEMONSTRATE THAT THE TRUNCATED TIME-HISTORY PRO- DUCE AN IDENTICAL RESPONSE SPECTRUM TO THAT OF THE ORIGINAL TIME-HISTORY. THE REPORT WILL BE REVISED TO REFLECT THE ACTUAL TIME- HISTORY USED.	100	820504

STATUS OF PGandE OPEN ITEMS

<u>TASK</u>	<u>INITIATING DOCUMENT</u>	<u>IDENT DT</u>	<u>ECD</u>	<u>DESCRIPTION</u>	<u>STATUS</u>	<u>A%C</u>	<u>CLS DT</u>
70184	SEMIMONTHLY STATUS REPORT NO. 13 OPEN ITEM 27	820503	821015	PG&E OPEN ITEMS: 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.	*PG&E ACTION REQUIRED* URS/BLUME HAS DEVELOPED FLOOR RESPONSE SPECTRA AND HAS QUALIFIED THE INTAKE STRUCTURE CRANE WITH THE SPECTRA. THE EFFECTS OF A TSUNAMI ON THE INTAKE STRUCTURE ARE BEING STUDIED.	50	
70185	SEMIMONTHLY STATUS REPORT NO. 13 OPEN ITEM 28	820506	821031	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.	*PG&E ACTION REQUIRED* REPLACEMENT BREAKERS ARE ON SITE.	50	

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STATUS OF PG&E OPEN ITEMS

<u>TASK</u>	<u>INITIATING DOCUMENT</u>	<u>IDENT DT</u>	<u>ECD</u>	<u>DESCRIPTION</u>	<u>STATUS</u>	<u>A%C</u>	<u>CLS DT</u>
70186*	SEMIMONTHLY STATUS REPORT NO. 13 OPEN ITEM 29	820507	821130	PG&E OPEN ITEM: PIPE SUPPORT SPACING TABLES FOR NONCOMPUTER ANALYZED PIPING DO NOT CONSIDER THE EFFECT OF THE PIPE INSULATION, AND THE TABLE USED FOR PIPING GREATER THAN 4" DIAMETER WAS NOT REVIEWED, APPROVED, AND CONTROLLED AS REQUIRED BY THE PG&E QUALITY ASSURANCE PROGRAM.	THIS ITEM IS ADDRESSED IN SECTIONS 2.2.1, 2.2.2, 2.2.2.3.3, AND 2.2.4.3.2 OF THE PHASE I FINAL REPORT.	**	
70198	SEMIMONTHLY STATUS REPORT NO. 14 OPEN ITEM 30	820521	821015	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.	*PG&E ACTION REQUIRED* DESIGN REJECTED BY PSRC. ENGINEERING AND NPO HAVE PERFORMED TESTS AND ARE DETERMINING EXACT REQUIREMENTS.	40	



1. The first part of the document
 2. discusses the general principles
 3. of the proposed system.
 4. It is intended to provide a
 5. clear and concise summary of
 6. the key elements of the
 7. system, and to highlight the
 8. main advantages and
 9. disadvantages of the
 10. various options available.
 11. The second part of the
 12. document provides a detailed
 13. description of the system
 14. architecture, and includes
 15. a flowchart illustrating the
 16. data flow between the
 17. various components.
 18. The third part of the
 19. document describes the
 20. implementation of the system,
 21. and includes a list of the
 22. hardware and software
 23. requirements.

1. The second part of the document
 2. provides a detailed description of
 3. the system architecture, and
 4. includes a flowchart illustrating
 5. the data flow between the
 6. various components.
 7. The third part of the document
 8. describes the implementation of
 9. the system, and includes a list
 10. of the hardware and software
 11. requirements.
 12. The fourth part of the
 13. document provides a summary of
 14. the key findings of the study,
 15. and includes a list of
 16. recommendations for further
 17. work.
 18. The fifth part of the
 19. document provides a list of
 20. references, and includes a
 21. list of the authors' contact
 22. information.

1. The first part of the document
 2. discusses the general principles
 3. of the proposed system.

1. The second part of the document
 2. provides a detailed description of
 3. the system architecture, and
 4. includes a flowchart illustrating
 5. the data flow between the
 6. various components.

1. The third part of the document
 2. describes the implementation of
 3. the system, and includes a list
 4. of the hardware and software
 5. requirements.

STATUS OF PGandE OPEN ITEMS

<u>TASK</u>	<u>INITIATING DOCUMENT</u>	<u>IDENT DT</u>	<u>ECD</u>	<u>DESCRIPTION</u>	<u>STATUS</u>	<u>A%C</u>	<u>CLS DT</u>
70202*	SEMIMONTHLY STATUS REPORT NO. 15 OPEN ITEM 31	820604	821130	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 FEED-WATER PIPING ANCHOR. THE ANCHOR IS LOCATED ON COLUMN LINE G.	THIS ITEM IS ADDRESSED IN SECTIONS 2.2.3 AND 2.2.3.3.1 OF THE PHASE I FINAL REPORT.	**	
70203	SEMIMONTHLY STATUS REPORT NO. 15 OPEN ITEM 32	820607	999999	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 OF THE APPLICABLE CRITERIA.	*PG&E ACTION REQUIRED*	15	
70212	SEMIMONTHLY STATUS REPORT NO. 19 OPEN ITEM 33	820813	821215	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.	*PG&E ACTION REQUIRED*	5	

