

Pacific Gas and Electric Company  
Semimonthly Report No. 20  
Diablo Canyon Verification Program  
August 27, 1982

SUMMARY

This is PGandE's twentieth semimonthly status report which summarizes the progress of our design verification program from August 10, 1982, through August 23, 1982.

The Teledyne Engineering Services (TES) Independent Design Verification Program (Independent Program or IDVP) has identified 181 items to date. All but 34 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 181 items, 133 completion reports have been issued, 25 require action by PGandE, and 23 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 nineteenth 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 item was identified. To date, six of the 33 items have been closed by PGandE.

## 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.

TABLE 1: SUMMARY OF ATTACHMENT I

| <u>TYPE OF INDEPENDENT PROGRAM REPORTS</u> | <u>NUMBER REPORTED AS<br/>OF AUGUST 9, 1982*</u> | <u>NUMBER REPORTED AS<br/>OF AUGUST 23, 1982</u> |
|--|--|--|
| Open Item Reports                          | 8  | 9  |
| Potential Program Resolution Reports       |  |  |
| Closed Item                                | 2  | 1  |
| Deviation                                  | 0  | 1  |
| Open Item with future action by PGandE     | 1  | 1  |
| Subtotal                                   | <u>3</u>   | <u>3</u>   |
| Program Resolution Reports                 |  |  |
| Closed Item                                | 0  | 0  |
| Deviation                                  | 1  | 1  |
| Open Item with future action by PGandE     | 18   | 18   |
| Subtotal                                   | <u>19</u>  | <u>19</u>  |
| Potential Error Reports                    |  |  |
| Class A Error                              | 2  | 1  |
| Class B Error                              | 0  | 0  |
| Class C Error                              | 3  | 3  |
| Class D Error                              | 0  | 0  |
| Subtotal                                   | <u>5</u>   | <u>4</u>   |
| Error Reports                              |  |  |
| Class A Error                              | 3  | 3  |
| Class A or B Error                         | 3  | 3  |
| Class B Error                              | 1  | 1  |
| Class C Error                              | 5  | 6  |
| Class D Error                              | 0  | 0  |
| Subtotal                                   | <u>12</u>  | <u>13</u>  |
| Completion Reports                         | 131  | 133  |
| TOTAL NUMBER OF REPORTS                    | 178  | 181  |

\* 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.

## II. Independent Program Requests For Information

Thirty-three of 385 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.

## III. PGandE's Review of Independent Program's Nineteenth Progress Reports

PGandE has reviewed the Independent Program's Nineteenth 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.

## II. Corrective Action Program

### Piping Review

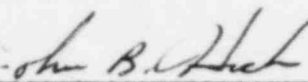
Status reporting for each particular piping issue, identified as an Open Item by the Internal Technical Program and listed in Attachment III, has been discontinued. The status of piping review is now given on Table 2. Schedule information, including completion dates for each area listed in the table will be provided in the next semimonthly report.

TABLE 2: STATUS OF PIPING REVIEW

|   | <u>Percent Complete</u> |
|---|-------------------------|
| Large Bore Piping   |                         |
| Field as-built check  | 95                      |
| Drawing incorporation of field check results  | 30                      |
| Establish procedures and criteria   | 98                      |
| Qualification or reanalysis of seismic and thermal problems                           | 12                      |
| Large Bore Pipe Supports  |                         |
| Procedures and criteria   | 98                      |
| Qualification or redesign of pipe supports  | 5                       |
| Small Bore Piping   |                         |
| Procedures and criteria   | 90                      |
| Sample selections   | 90                      |
| Status reporting, detailed by issue and/or sample, will be provided in future reports | -                       |
| Small Bore Pipe Supports  |                         |
| Procedures and criteria   | 90                      |
| Sample selections   | 90                      |
| Status reporting, detailed by issue and/or sample, will be provided in future reports | -                       |

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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John B. Hoch

Diablo Canyon Project Manager

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.

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&amp;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                    |

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|-----------------|---|--------------------|------------------------|-------------------------|---------------|------------------------|------------------|--------------------------|
| 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           | 1                      | 04-21-82                | ER/AB         | PG&E                   | 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                    |

STATUS OF IDVP ITEMS

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|-----------------|--------------------------------------|--------------------|------------------------|-------------------------|---------------|------------------------|------------------|--------------------------|
| 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           | 2                      | 04-17-82                | PRR/OIP       | PG&E                   |                  | 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                    |

STATUS OF IDVP ITEMS

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|-----------------|---|--------------------|------------------------|-------------------------|---------------|------------------------|------------------|--------------------------|
| 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           | 2                      | 05-11-82                | PRR/OIP       | PG&E                   |                  | 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                    |



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&amp;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           | 2                      | 07-01-82                | PRR/OIP       | PG&E                   |                  | 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           | 3                      | 08-23-82                | OIR           | IDVP                   |                  | 70064                    |
| 993*            | OD WATER TANK DESIGN INFO              | 02-05-82           | 3                      | 08-23-82                | OIR           | 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                    |

STATUS OF IDVP ITEMS

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|-----------------|--------------------------------------|--------------------|------------------------|-------------------------|---------------|------------------------|------------------|--------------------------|
| 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           | 2                      | 06-21-82                | PRR/OIP       | 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                    |

STATUS OF IDVP ITEMS

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|-----------------|--|--------------------|------------------------|-------------------------|---------------|------------------------|------------------|--------------------------|
| 1009            | CONTAINMENT INTERIOR ABOVE 140 SPECTRA         | 02-09-82           | 2                      | 04-17-82                | PRR/OIP       | PG&E                   |                  | 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           | 2                      | 04-17-82                | PRR/OIP       | PG&E                   |                  | 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                | PRR/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&amp;E TASK NO.</u> |
|-----------------|--|--------------------|------------------------|-------------------------|---------------|------------------------|------------------|--------------------------|
| 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           | 2                      | 05-10-82                | PRR/OIP       | PG&E                   |                  | 70092                    |
| 1022            | POSITION OF AUX SALTWATER PUMP SUPPORT     | 02-18-82           | 2                      | 05-10-82                | PRR/OIP       | PG&E                   |                  | 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                    |

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&amp;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                    |

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&amp;E TASK NO.</u> |
|-----------------|--|--------------------|------------------------|-------------------------|---------------|------------------------|------------------|--------------------------|
| 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                    |

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&amp;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                    |

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&amp;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           | 0                      | 04-22-82                | OIR           | IDVP                   |                  | 70179                    |
| 1081            | RLCA PIPING ANALYSIS 104 - STRESS DIFFERENCE | 04-22-82           | 0                      | 04-22-82                | OIR           | IDVP                   |                  | 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           | 1                      | 07-19-82                | PER/C         | IDVP                   |                  | 70187                    |
| 1085            | RLCA PIPING ANALYSIS 105                     | 05-14-82           | 1                      | 07-21-82                | PER/C         | IDVP                   |                  | 70188                    |
| 1086            | RLCA PIPING ANALYSIS 108                     | 05-14-82           | 0                      | 05-14-82                | OIR           | 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                    |



STATUS OF IDVP ITEMS

| FILE NO. | SUBJECT                                   | REV. 0 DATE | LATEST REV. NO. | LATEST REV. DATE | STATUS   | ACTION REQ'D BY | PHY. MODS | PG&E TASK NO. |
|----------|---|-------------|-----------------|------------------|----------|-----------------|-----------|---------------|
| 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         | P/RR/DEV | IDVP            |           | 70215         |
| 1101*    | HLA SOILS REVIEW - OD WATER STORAGE TANKS | 08-16-82    | 1               | 08-18-82         | P/RR/OIP | IDVP            |           | 70216         |
| 1102*    | HVAC DAMPER 7A                            | 08-19-82    | 1               | 08-19-82         | PER/C    | IDVP            |           | 70217         |
| 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         |

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.

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                    |

OUTSTANDING DVP 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-268*          | 07-23-82               | Licensing commitments for the Hosgri analysis of the auxiliary building that provide for generation of translational response spectra at the center of mass rather than the center of rigidity. | 09-03-82                       | CIVIL                    |
| RLCA-274**         | 08-10-82               | HVAC duct and duct support licensing criteria.  | 09-03-82                       | LICENSING                |
| RLCA-275**         | 08-10-82               | Explanation of why items are listed in the FSAR and not in the Hosgri report.   | 09-10-82                       | MECH SYS                 |
| RLCA-276**         | 08-10-82               | Explanation of why items are listed in the Hosgri report and not in the FSAR.   | 09-10-82                       | MECH SYS                 |
| RLCA-277**         | 08-10-82               | List all design Class I equipment that was not analyzed for Hosgri.   | 09-10-82                       | MECH SYS                 |

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-278**         | 08-10-82               | Type of fill used to build up to the neatline for the intake, containment, and auxiliary buildings. | To be determined at a later date | CIVIL                    |
| RLCA-280**         | 08-10-82               | Final excavation survey of the outdoor water storage tank area.                                     | 09-03-82                         | CIVIL                    |
| RLCA-282**         | 08-11-82               | Support drawings and related information.   | 09-03-82                         | PIPING                   |
| RLCA-283**         | 08-12-82               | Rock properties applicable to the elevation 100' foundation location of the auxiliary building.     | 09-30-82                         | CIVIL                    |
| RLCA-284**         | 08-12-82               | Computer input (model geometry) for the intake, containment, and turbine buildings.                 | To be determined at a later date | CIVIL                    |
| RLCA-286**         | 08-12-82               | Qualification analyses for the instrument ac panel and instrument panels PIA, B, and C.             | 09-10-82                         | ELEC                     |
| RLCA-287**         | 08-12-82               | Qualification package (test and analysis) for the local instrument panels.                          | To be determined at a later date | I&C                      |
| RLCA-290**         | 08-12-82               | Qualification details for the balance of plant P and delta P transmitters.                          | To be determined at a later date | I&C                      |
| RLCA-291**         | 08-18-82               | 16 design valve accelerations.  | 09-03-82                         | PIPING                   |

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-292**              | 08-18-82               | 4 Hosgri support loads.  | 09-03-82                          | PIPING                    |
| RLCA-293**              | 08-18-82               | Drawings of modifications to main annunciator cabinet.   | 09-10-82                          | ELEC                      |
| SWEC-3*<br>(Phase II)   | 05-11-82               | Mechanical/nuclear and electrical design information. 95% has been forwarded to SWEC.                        | 09-01-82                          | MECH SYS<br>ELECT<br>HVAC |
| SWEC-5**<br>(Phase II)  | 06-23-82               | Documentation of temperature and pressure transients in turbine building.                                    | 08-27-82                          | MECH                      |
| SWEC-6*<br>(Phase II)   | 06-24-82               | Detailed design information identified during meetings of June 8, 9, and 10. 95% has been forwarded to SWEC. | 09-01-82                          | D. C. PROJECT             |
| SWEC-10*<br>(Phase II)  | 07-12-82               | One control room HVAC item.  | 09-07-82                          | HVAC                      |
| SWEC-13*<br>(Phase II)  | 07-16-82               | Additional documentation of hazards from chlorine release to control room operators.                         | 09-01-82                          | HVAC                      |
| SWEC-16**<br>(Phase II) | 07-22-82               | Documentation of motor starting voltage.   | To be determined at a later date. | ELEC                      |
| SWEC-18**<br>(Phase II) | 07-30-82               | Four nuclear documentation items related to the MCS analysis and PRTHRUST computer run.                      | To be determined at a later date. | MECH SYS                  |
| SWEC-21**<br>(Phase II) | 08-06-82               | Information for the evaluation of the hazard from chlorine release to the control room operator.             | 09-01-82                          | HVAC                      |

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> |
|--------------------|------------------------|---|--------------------------------|--------------------------|
| TES-0056           | 06-21-82               | Maximum stress information from DCM-M9, Line 508, listed in Table 8.3 of Hosgri report. | 09-01-82                       | PIPING                   |
| TES-0080           | 08-03-82               | Three 1981/1982 URS/Blume analyses.   | 09-01-82                       | CIVIL                    |
| TES-0086**         | 08-18-82               | EDS Nuclear Job No. 0170-011-224 Problem File No. 1, Rev. 0.                            | TES to clarify request         | CIVIL                    |

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.

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



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&amp;C</u> | <u>CLS DT</u> |
|-------------|--|-----------------|------------|---|--|----------------|---------------|
| 70098*      | SEMIMONTHLY STATUS REPORT NO. 7 OTHER FINDINGS, ITEM 1 | 820212          | 821130     | PG&E OPEN ITEM:<br>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. | *PG&E ACTION REQUIRED*<br>THIS ITEM IS ADDRESSED BY THE REVISED PIPING VERIFICATION PLAN PRESENTED TO THE NRC IN BETHESDA ON AUGUST 6, 1982. STATUS REPORTING BY ISSUE IS DISCONTINUED. STATUS WILL BE DISCUSSED IN THE "STATUS OF INTERNAL TECHNICAL PROGRAM" SECTION OF THIS REPORT. | 10             |               |
| 70099       | SEMIMONTHLY STATUS REPORT NO. 7 OTHER FINDINGS, ITEM 2 | 820212          | 820521     | PG&E OPEN ITEM:<br>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*<br>ONE ANALYSIS WAS FOUND TO NEED REANALYSIS. THAT REANALYSIS IS COMPLETE, AND SUPPORT QUALIFICATION AND REDESIGN ARE COMPLETE.   | 100            | 820521        |

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> |
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| 70100       | SEMIMONTHLY STATUS REPORT NO. 7<br>OTHER FINDINGS,<br>ITEM 3 | 820212          | 821215     | PG&E OPEN ITEM:<br>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*<br>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<br>OTHER FINDINGS,<br>ITEM 4 | 820212          | 820315     | PG&E OPEN ITEM:<br>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*<br>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<br>OTHER FINDINGS,<br>ITEM 5 | 820212          | 821130     | PG&E OPEN ITEM:<br>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.                             | *PG&E ACTION REQUIRED*<br>THIS ITEM IS ADDRESSED BY THE REVISED PIPING VERIFICATION PLAN PRESENTED TO THE NRC IN BETHESDA ON AUGUST 6, 1982. STATUS REPORTING BY ISSUE IS DISCONTINUED. STATUS WILL BE DISCUSSED IN THE "STATUS OF INTERNAL TECHNICAL PROGRAM" SECTION OF THIS REPORT. | 10          |               |

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&amp;C</u> | <u>CLS DT</u> |
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| 70103*      | SEMIMONTHLY STATUS<br>REPORT NO. 7<br>OTHER FINDINGS,<br>ITEM 6 | 820212          | 821130     | PG&E OPEN ITEM:<br><br>CERTAIN SMALL BORE PIPING<br>SPANS HAVE BEEN IDENTIFIED<br>AS DEVIATING FROM SEISMIC<br>CRITERIA. REVIEW AND<br>ANALYSIS WILL BE PERFORMED<br>TO DETERMINE EXTENT<br>AND SIGNIFICANCE. | *CLOSED*<br><br>THIS ITEM IS ADDRESSED<br>BY THE REVISED PIPING<br>VERIFICATION PLAN PRESENTED<br>TO THE NRC IN BETHESDA<br>ON AUGUST 6, 1982. STATUS<br>REPORTING BY ISSUE IS<br>DISCONTINUED. STATUS WILL<br>BE DISCUSSED IN THE "STATUS<br>OF INTERNAL TECHNICAL PROGRAM"<br>SECTION OF THIS REPORT.               |                | 10            |
| 70104*      | SEMIMONTHLY STATUS<br>REPORT NO. 7<br>OTHER FINDINGS,<br>ITEM 7 | 820212          | 821130     | PG&E OPEN ITEM:<br><br>PIPING REVIEW OF THE ANNULUS<br>REVEALED TWO THERMAL ANALYSES<br>WHICH USED INCORRECT MODELING<br>OF SUPPORTS. A SAMPLE OF OTHER<br>THERMAL ANALYSES WILL BE<br>PERFORMED.             | *PG&E ACTION REQUIRED*<br><br>THIS ITEM IS ADDRESSED<br>BY THE REVISED PIPING<br>VERIFICATION PLAN PRESENTED<br>TO THE NRC IN BETHESDA<br>ON AUGUST 6, 1982. STATUS<br>REPORTING BY ISSUE IS<br>DISCONTINUED. STATUS WILL<br>BE DISCUSSED IN THE "STATUS<br>OF INTERNAL TECHNICAL PROGRAM"<br>SECTION OF THIS REPORT. |                | 10            |

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&amp;C</u> | <u>CLS DT</u> |
|-------------|--|-----------------|------------|---|--|----------------|---------------|
| 70105*      | SEMIMONTHLY STATUS REPORT NO. 7<br>OTHER FINDINGS,<br>ITEM 8 | 820212          | 821130     | PG&E OPEN ITEM:<br><br>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. | *PG&E ACTION REQUIRED*<br>THIS ITEM IS ADDRESSED BY THE REVISED PIPING VERIFICATION PLAN PRESENTED TO THE NRC IN BETHESDA ON AUGUST 6, 1982. STATUS REPORTING BY ISSUE IS DISCONTINUED. STATUS WILL BE DISCUSSED IN THE "STATUS OF INTERNAL TECHNICAL PROGRAM" SECTION OF THIS REPORT. | 10             |               |
| 70106*      | SEMIMONTHLY STATUS REPORT NO. 7<br>OTHER FINDINGS,<br>ITEM 9 | 820212          | 821130     | PG&E OPEN ITEM:<br>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.  | *PG&E ACTION REQUIRED*<br>THIS ITEM IS ADDRESSED BY THE REVISED PIPING VERIFICATION PLAN PRESENTED TO THE NRC IN BETHESDA ON AUGUST 6, 1982. STATUS REPORTING BY ISSUE IS DISCONTINUED. STATUS WILL BE DISCUSSED IN THE "STATUS OF INTERNAL TECHNICAL PROGRAM" SECTION OF THIS REPORT. | 10             |               |

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:<br>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. | *PG&E ACTION REQUIRED*<br>THIS ITEM IS ADDRESSED BY THE REVISED PIPING VERIFICATION PLAN PRESENTED TO THE NRC IN BETHESDA ON AUGUST 6, 1982. STATUS REPORTING BY ISSUE IS DISCONTINUED. STATUS WILL BE DISCUSSED IN THE "STATUS OF INTERNAL TECHNICAL PROGRAM" SECTION OF THIS REPORT. | 10         |               |
| 70108*      | SEMIMONTHLY STATUS REPORT NO 7 OTHER FINDINGS, ITEM 11  | 820212          | 820910     | PG&E OPEN ITEM:<br>DYNAMIC PROPERTIES USED IN THE SEISMIC QUALIFICATION OF THE PLANT EXHAUST VENT WILL BE REVIEWED.  | *PG&E ACTION REQUIRED*<br>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         |               |

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> |
|-------------|---|-----------------|------------|--|--|------------|---------------|
| 70109       | SEMIMONTHLY STATUS<br>REPORT NO. 7<br>OTHER FINDINGS<br>ITEM 12 | 820212          | 820604     | PG&E OPEN ITEM:<br>SOME MASSES WERE REPRESENTED<br>INCORRECTLY IN THE FORMULATION<br>OF THE VERTICAL DYNAMIC MODEL OF<br>THE CONTAINMENT INTERIOR<br>STRUCTURE. AN INVESTIGATION<br>WILL BE MADE TO DETERMINE THE<br>SIGNIFICANCE OF THIS MATTER.    | *CLOSED*<br>REVISED FLOOR RESPONSE<br>SPECTRA HAVE BEEN GENER-<br>ATED FOR TWO FRAMES. THE<br>MAXIMUM EFFECT WAS A 12%<br>INCREASE AT ONE ELEVATION<br>FOR ONE FRAME OVER A NAR-<br>ROW FREQUENCY RANGE.<br>PIPING ANALYSES HAVE BEEN<br>FOUND TO BE UNAFFECTED BY<br>THE SPECTRA CHANGES. THE<br>SPECTRA CHANGES WERE<br>WITHIN THE ENVELOPE OF<br>SPECTRA USED FOR ANALYSES<br>OF PIPING SUPPORTED FROM<br>THOSE FRAMES. | 100        | 820604        |
| 70141*      | SEMIMONTHLY STATUS<br>REPORT NO. 8<br>OPEN ITEM 13              | 820127          | 821130     | PG&E OPEN ITEM:<br>RLCA HAS IDENTIFIED NUMEROUS<br>DISCREPANCIES BETWEEN THE AS-<br>BUILT PIPING CONFIGURATIONS AND<br>THE PIPING ISOMETRIC DRAWINGS.<br>AUDITS, DRAWING REVISIONS AND,<br>AS NECESSARY, PLANT MODIFICA-<br>TIONS WILL BE PERFORMED. | *PG&E ACTION REQUIRED*<br>THIS ITEM IS ADDRESSED<br>BY THE REVISED PIPING<br>VERIFICATION PLAN PRESENTED<br>TO THE NRC IN BETHESDA<br>ON AUGUST 6, 1982. STATUS<br>REPORTING BY ISSUE IS<br>DISCONTINUED. STATUS WILL<br>BE DISCUSSED IN THE "STATUS<br>OF INTERNAL TECHNICAL PROGRAM"<br>SECTION OF THIS REPORT.  | 10         |               |

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> |
|-------------|--|-----------------|------------|---|--|-------------|---------------|
| 70142       | SEMIMONTHLY STATUS<br>REPORT NO. 8<br>OPEN ITEM 14 | 820224          | 820430     | PG&E OPEN ITEM:<br>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*<br>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<br>REPORT NO. 9<br>OPEN ITEM 15 | 820309          | 821130     | PG&E OPEN ITEM:<br>DOCUMENTATION FOR THE QUALIFICATION OF CERTAIN SMALL BORE PIPING SUPPORT STANDARD DETAILS FOR BIDIRECTIONAL LOADING CANNOT BE LOCATED. THE EXISTING STANDARD DETAILS WILL BE REQUALIFIED   | *PG&E ACTION REQUIRED*<br>THIS ITEM IS ADDRESSED BY THE REVISED PIPING VERIFICATION PLAN PRESENTED TO THE NRC IN BETHESDA ON AUGUST 6, 1982. STATUS REPORTING BY ISSUE IS DISCONTINUED. STATUS WILL BE DISCUSSED IN THE "STATUS OF INTERNAL TECHNICAL PROGRAM" SECTION OF THIS REPORT. | 10          |               |



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> |
|-------------|--|-----------------|------------|--|---|-------------|---------------|
| 70144*      | SEMIMONTHLY STATUS<br>REPORT NO. 9<br>OPEN ITEM 16 | 820309          | 821130     | PG&E OPEN ITEM:<br>THE EXISTING FILE 44 HOSGRI<br>HORIZONTAL SEISMIC COEFFICIENT<br>FOR THE AUXILIARY BUILDING<br>AT ELEVATION 163' IS 5. FT.<br>SHOULD BE 8.5. THE FILE 44<br>HORIZONTAL AND VERTICAL SEISMIC<br>COEFFICIENTS WILL BE VERIFIED<br>FOR CURRENT SPECTRA     | *PG&E ACTION REQUIRED*<br>THIS ITEM IS ADDRESSED<br>BY THE REVISED PIPING<br>VERIFICATION PLAN PRESENTED<br>TO THE NRC IN BETHESDA<br>ON AUGUST 6, 1982. STATUS<br>REPORTING BY ISSUE IS<br>DISCONTINUED. STATUS WILL<br>BE DISCUSSED IN THE "STATUS<br>OF INTERNAL TECHNICAL PROGRAM"<br>SECTION OF THIS REPORT. | 10          |               |
| 70145*      | SEMIMONTHLY STATUS<br>REPORT NO. 9<br>OPEN ITEM 17 | 820309          | 821130     | PG&E OPEN ITEM:<br>SEISMIC ANCHOR MOVEMENT (SAM)<br>EFFECTS WERE NOT ADDRESSED FOR<br>LARGE BORE PG&E DESIGN CLASS I<br>LINES THAT WE INSTALLED BY SPAN<br>CRITERIA AND ATTACHED TO COMPUTER<br>ANALYZED LINES. THESE LINES WILL<br>BE IDENTIFIED AND ANALYZED FOR<br>SAM. | *PG&E ACTION REQUIRED*<br>THIS ITEM IS ADDRESSED<br>BY THE REVISED PIPING<br>VERIFICATION PLAN PRESENTED<br>TO THE NRC IN BETHESDA<br>ON AUGUST 6, 1982. STATUS<br>REPORTING BY ISSUE IS<br>DISCONTINUED. STATUS WILL<br>BE DISCUSSED IN THE "STATUS<br>OF INTERNAL TECHNICAL PROGRAM"<br>SECTION OF THIS REPORT. | 10          |               |



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&amp;C</u> | <u>CLS DT</u> |
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| 70146       | SEMIMONTHLY STATUS<br>REPORT NO. 9<br>OPEN ITEM 18 | 820309          | 820831     | PG&E OPEN ITEM:<br>CLASS I EQUIPMENT FOR THE<br>AUXILIARY SALTWATER SYSTEM<br>IN THE INTAKE STRUCTURE WERE<br>QUALIFIED TO THE HOSGRI GROUND<br>RESPONSE SPECTRA INSTEAD OF THE<br>FLOOR RESPONSE SPECTRA                  | *PG&E ACTION REQUIRED*<br>QUALIFICATION ANALYSES<br>FOR CLASS I EQUIPMENT<br>AND PIPING FOR THE<br>AUXILIARY SALT WATER<br>SYSTEM ARE CONTINUING.<br>PIPING IS INCLUDED IN THE<br>REVISED VERIFICATION PLAN.                               | 85             |               |
| 70148*      | SEMIMONTHLY STATUS<br>REPORT NO. 9<br>OPEN ITEM 19 | 820309          | 820915     | PG&E OPEN ITEM:<br>THE NRC CONSIDERS THAT THE 3D<br>ANALYSIS OF THE CONTAINMENT<br>POLAR CRANE SHOWS THAT THE<br>RESULTS OF THE 2D NON-LINEAR<br>ANALYSIS INCLUDED IN THE HOSGRI<br>REPORT ARE UNCONSERVATIVE              | *PG&E ACTION REQUIRED*<br>THE 3D ANALYSIS BEING<br>PERFORMED BY URS/BLUME<br>HAS IDENTIFIED SOME AREAS<br>THAT MAY REQUIRE STRENGTHENING.<br>DESIGN STUDIES ARE UNDERWAY TO<br>MAINTAIN THE STRUCTURAL SYSTEM<br>WITHIN ACCEPTABLE LIMITS. | 40             |               |
| 70147       | SEMIMONTHLY STATUS<br>REPORT NO. 9<br>OPEN ITEM 20 | 820309          | 820929     | PG&E OPEN ITEM:<br>THE SEISMIC ANALYSIS OF THE<br>CONTAINMENT DOME SERVICE CRANE<br>UTILIZED SOME RESULTS OF THE<br>3D NONLINEAR POLAR CRANE<br>ANALYSIS. THESE ANALYSES HAVE<br>NOT YET BEEN SUBMITTED FOR NRC<br>REVIEW. | *PG&E ACTION REQUIRED*<br>ANALYSIS OF THE DOME<br>SERVICE CRANE WILL CON-<br>TINUE AS SOON AS INPUT<br>FROM THE POLAR CRANE<br>BECOMES AVAILABLE.  | 5              |               |

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&amp;C</u> | <u>CLS DT</u> |
|-------------|---|-----------------|------------|---|---|----------------|---------------|
| 70161*      | SEMIMONTHLY STATUS<br>REPORT NO. 10<br>OPEN ITEM 21 | 820322          | 820910     | PG&E OPEN ITEM:<br>CALCULATIONS MADE BY EDS FOR 14"<br>HVAC DUCT SUPPORT LOADINGS<br>USED INCORRECT SEISMIC RESPONSE<br>SPECTRA IN SOME CASES. THIS MAY<br>HAVE RESULTED BECAUSE THE<br>SPECTRA PROVIDED BY PG&E<br>(SHOWN IN APPENDIX A OF THE EDS<br>CALCUATION FILE) INADVERTENTLY<br>OMITTED DESIGNATING THE ELEVATION<br>163' SPECTRA AS PERTAINING TO<br>THE AUXILIARY BUILDING ONLY.<br>APPARENTLY, EDS PERSONNEL MIS-<br>TAKENLY ASSUMED THAT THOSE SPECTRA<br>COULD BE USED FOR SEISMIC LOADING<br>AT ELEVATION 163' IN THE TURBINE<br>BUILDING. | *PG&E ACTION REQUIRED*<br>FLOOR RESPONSE SPECTRA<br>AT ELEVATION 163' IN THE<br>TURBINE BUILDING HAVE<br>BEEN DEVELOPED. THE HVAC<br>DUCT AND ITS SUPPORTS HAVE<br>BEEN REANALYZED. THE TURBINE<br>BUILDING HAS BEEN CHECKED FOR THE<br>NEW SUPPORT LOADS. DOCUMENTATION OF<br>THIS WORK IS BEING FINALIZED.      | 95             |               |
| 70172*      | SEMIMONTHLY STATUS<br>REPORT NO. 11<br>OPEN ITEM 22 | 820405          | 821130     | PG&E OPEN ITEM: THE REACTOR<br>COOLANT SYSTEM PRESSURIZER<br>SUPPORTS AND THE COMPONENT<br>COOLING WATER HEAT EXCHANGER WERE<br>MODELED IN COMPANY SCOPE PIPING<br>ANALYSES AS RIGID. ADDITIONAL<br>ANALYSES WILL BE PERFORMED WITH<br>ACTUAL EQUIPMENT STIFFNESSES TO<br>VERIFY THE APPROPRIATENESS OF<br>THIS MODELING TECHNIQUE, OR<br>REANALYSIS AND REQUALIFICATION<br>OF ASSOCIATED PIPING SYSTEMS<br>WILL BE PERFORMED.  | *PG&E ACTION REQUIRED*<br>THIS ITEM IS ADDRESSED<br>BY THE REVISED PIPING<br>VERIFICATION PLAN PRESENTED<br>TO THE NRC IN BETHESDA<br>ON AUGUST 6, 1982. STATUS<br>REPORTING BY ISSUE IS<br>DISCONTINUED. STATUS WILL<br>BE DISCUSSED IN THE "STATUS<br>OF INTERNAL TECHNICAL PROGRAM"<br>SECTION OF THIS REPORT. | 10             |               |

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&amp;C</u> | <u>CLS DT</u> |
|-------------|---|-----------------|------------|---|--|----------------|---------------|
| 70174*      | SEMIMONTHLY STATUS<br>REPORT NO. 12<br>OPEN ITEM 23 | 820412          | 821001     | PG&E OPEN ITEM: THE BLUME<br>INTERNAL REVIEW HAS DETERMINED<br>THAT SEVERAL COMPUTER ANALYSES<br>WERE PERFORMED BEFORE IT WAS<br>REQUIRED THAT ALL COMPUTER<br>ANALYSES BE QA VERIFIED. EACH<br>SUCH PROGRAM IS BEING<br>INVESTIGATED THOROUGHLY.   | *PG&E ACTION REQUIRED*<br>A VERIFICATION PROGRAM<br>IS BEING PERFORMED TO<br>ENSURE THAT THE COMPUTER<br>PROGRAMS WHICH WERE USED AND<br>WERE NOT QA VERIFIED PROVIDED<br>CORRECT RESULTS. | 65             |               |
| 70175*      | SEMIMONTHLY STATUS<br>REPORT NO. 12<br>OPEN ITEM 24 | 820414          | 821001     | PG&E OPEN ITEM:<br>THE BLUME INTERNAL REVIEW HAS<br>IDENTIFIED SEVERAL QUESTIONS<br>CONCERNING THE TURBINE BUILDING<br>ANALYSIS. THESE QUESTIONS ARE<br>RELATED TO THE MATHEMATICAL<br>MODELING AND COMPUTER ANALYSIS OF<br>THE BUILDING AND TO THE EFFECT<br>OF SOME THE HOSGRI AND POST-TMI<br>MODIFICATIONS ON THE BUILDING<br>RESPONSE. | *PG&E ACTION REQUIRED*<br>PG&E IS CONTINUING TO<br>MONITOR THE RESOLUTION<br>OF THE BIR ITEMS.   | 60             |               |

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&amp;C</u> | <u>CLS DT</u> |
|-------------|---|-----------------|------------|---|---|----------------|---------------|
| 70176*      | SEMIMONTHLY STATUS<br>REPORT NO. 12<br>OPEN ITEM 25 | 820420          | 820917     | PG&E OPEN ITEM:<br>THE BLUME INTERNAL<br>REVIEW HAS IDENTIFIED QUESTIONS<br>RELATED TO THE SEISMIC ANALYSIS<br>OF THE CONTAINMENT INTERIOR.<br>THESE QUESTIONS ARE INSUF-<br>FICIENTLY ADDRESSED IN THE<br>EXISTING DOCUMENTATION OF<br>THE ANALYSES, AND RELATE TO THE<br>MASS, SHEAR VALUES, STIFF-<br>NESS, AND TO THE CENTERS OF<br>MASS AND RIGIDITY OF THE MODEL<br>AS WELL AS TO THE INTERPRETATION<br>OF SOME OF THE RESULTS. | *PG&E ACTION REQUIRED*<br>PG&E IS CONTINUING TO<br>MONITOR THE RESOLUTION<br>OF THE BIR ITEMS.  | 80             |               |
| 70183       | SEMIMONTHLY STATUS<br>REPORT NO. 13<br>OPEN ITEM 26 | 820504          | 820504     | PG&E OPEN ITEM:<br>THE BLUME INTERNAL REVIEW HAS<br>REQUESTED URS/BLUME TO REVISE<br>THE AUXILIARY BUILDING REPORT<br>TO REFLECT THE ACTUAL TIME<br>HISTORY USED IN THE ANALYSIS<br>(20 RATHER THAN 24 SECONDS<br>LONG) AND TO SUPPLEMENT THE<br>CALCULATIONS TO DEMONSTRATE<br>THE APPROPRIATENESS OF THE<br>TRUNCATED TIME-HISTORY.   | *CLOSED*<br>CALCULATIONS HAVE BEEN<br>PERFORMED AND WILL BE<br>INCLUDED IN REVISION 1 OF<br>THE CALCULATION FILES<br>WHICH DEMONSTRATE THAT THE<br>TRUNCATED TIME-HISTORY PRO-<br>DUCE AN IDENTICAL RESPONSE<br>SPECTRUM TO THAT OF THE<br>ORIGINAL TIME-HISTORY. THE<br>REPORT WILL BE REVISED TO<br>REFLECT THE ACTUAL TIME-<br>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&amp;C</u> | <u>CLS DT</u> |
|-------------|---|-----------------|------------|---|--|----------------|---------------|
| 70184       | SEMIMONTHLY STATUS<br>REPORT NO. 13<br>OPEN ITEM 27 | 820503          | 821015     | PG&E OPEN ITEMS:<br>THE BLUME INTERNAL REVIEW<br>HAS IDENTIFIED A POSSIBLE<br>DISCREPANCY IN THE CORRELATION<br>BETWEEN INTAKE STRUCTURE INPUT<br>SPECTRUM AND FLOOR RESPONSE<br>SPECTRA. THIS MAY AFFECT THE<br>INTAKE STRUCTURE CRANE ANALYSIS.<br>IT WAS ALSO NOTED THAT THE<br>INTAKE STRUCTURE SEISMIC<br>ANALYSIS DID NOT INCLUDE<br>THE EFFECTS OF A TSUNAMI AFTER<br>POSSIBLE SEISMIC DAMAGE TO THE<br>INTAKE FLOW DIVIDER WALLS. | *PG&E ACTION REQUIRED*<br>URS/BLUME HAS DEVELOPED<br>FLOOR RESPONSE SPECTRA<br>AND HAS QUALIFIED THE<br>INTAKE STRUCTURE CRANE<br>WITH THE SPECTRA. THE<br>EFFECTS OF A TSUNAMI ON<br>THE INTAKE STRUCTURE ARE<br>BEING STUDIED. | 50             |               |
| 70185       | SEMIMONTHLY STATUS<br>REPORT NO. 13<br>OPEN ITEM 28 | 820506          | 821031     | PG&E OPEN ITEM:<br>AN ELECTRICAL DESIGN REVIEW HAS<br>FOUND THAT INCORRECT CIRCUIT<br>BREAKERS WERE SUPPLIED FOR<br>CERTAIN 125 VDC CIRCUITS;<br>20,000 AMP INTERRUPTING<br>CAPACITY BREAKERS WERE SPECIFIED;<br>HOWEVER, 10,000 AMP BREAKERS<br>WERE RECEIVED AND INSTALLED.   | *PG&E ACTION REQUIRED*<br>REPLACEMENT BREAKERS ARE<br>ON SITE.   | 50             |               |

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&amp;C</u> | <u>CLS DT</u> |
|-------------|---|-----------------|------------|---|---|----------------|---------------|
| 70186*      | SEMIMONTHLY STATUS<br>REPORT NO. 13<br>OPEN ITEM 29 | 820507          | 821130     | PG&E OPEN ITEM:<br>PIPE SUPPORT SPACING TABLES FOR<br>NONCOMPUTER ANALYZED PIPING DO<br>NOT CONSIDER THE EFFECT OF THE<br>PIPE INSULATION, AND THE TABLE<br>USED FOR PIPING GREATER THAN<br>4" DIAMETER WAS NOT REVIEWED,<br>APPROVED, AND CONTROLLED AS<br>REQUIRED BY THE PG&E QUALITY<br>ASSURANCE PROGRAM.  | *PG&E ACTION REQUIRED*<br>THIS ITEM IS ADDRESSED<br>BY THE REVISED PIPING<br>VERIFICATION PLAN PRESENTED<br>TO THE NRC IN BETHESDA<br>ON AUGUST 6, 1982. STATUS<br>REPORTING BY ISSUE IS<br>DISCONTINUED. STATUS WILL<br>BE DISCUSSED IN THE "STATUS<br>OF INTERNAL TECHNICAL PROGRAM"<br>SECTION OF THIS REPORT. | 10             |               |
| 70198*      | SEMIMONTHLY STATUS<br>REPORT NO. 14<br>OPEN ITEM 30 | 820521          | 821015     | PG&E OPEN ITEM:<br>DURING THE ADDITION IN 1979<br>OF THE CONTROL ROOM PRESSURI-<br>ZATION SYSTEM, THE VITAL<br>ELECTRICAL POWER SUPPLY TO<br>THE REDUNDANT CONTROL ROOM<br>HEATING, VENTILATION, AND AIR<br>CONDITIONING (HVAC) SYSTEM FOR<br>EACH UNIT WAS CHANGED. THIS<br>CHANGE DEFEATED THE ABILITY OF<br>THE UNIT 1 CONTROL ROOM HVAC<br>SYSTEM TO MEET THE SINGLE<br>FAILURE CRITERIA IF UNIT 2 WERE<br>NOT OPERATING. | *PG&E ACTION REQUIRED*<br>DESIGN REJECTED BY PSRC.<br>ENGINEERING AND NPO HAVE<br>PERFORMED TESTS AND ARE<br>DETERMINING EXACT<br>REQUIREMENTS.   | 40             |               |

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&amp;C</u> | <u>CLS DT</u> |
|-------------|---|-----------------|------------|--|--|----------------|---------------|
| 70202*      | SEMIMONTHLY STATUS<br>REPORT NO. 15<br>OPEN ITEM 31 | 820604          | 821130     | PG&E OPEN ITEM:<br>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. | *PG&E ACTION REQUIRED*<br>THIS ITEM IS ADDRESSED BY THE REVISED PIPING VERIFICATION PLAN PRESENTED TO THE NRC IN BETHESDA ON AUGUST 6, 1982. STATUS REPORTING BY ISSUE IS DISCONTINUED. STATUS WILL BE DISCUSSED IN THE "STATUS OF INTERNAL TECHNICAL PROGRAM" SECTION OF THIS REPORT. | 10             |               |
| 70203       | SEMIMONTHLY STATUS<br>REPORT NO. 15<br>OPEN ITEM 32 | 820607          | 999999     | PG&E OPEN ITEM:<br>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*<br>MATHEMATICAL MODELING FOR ANALYSIS OF THE STRUCTURE IS BEING DONE. EVALUATION IS UNDERWAY TO VERIFY THE ACCEPTABILITY OF THE MEMBERS AND THEIR CONNECTIONS.  | 15             |               |
| 70212       | SEMIMONTHLY STATUS<br>REPORT NO. 19<br>OPEN ITEM 33 | 820813          | 821215     | PG&E OPEN ITEM:<br>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              |               |