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 50-323 Diablo Canyon Nuclear Power Plant, Unit 2, Pacific Ga 05000323
 AUTH.NAME AUTHOR AFFILIATION
 CRANE,P.A. Pacific Gas & Electric Co.
 RECIP.NAME RECIPIENT AFFILIATION
 MIRAGLIA,F.J. Licensing Branch 3

SUBJECT: Forwards info re status of control room design changes including changes to communications, controls & alarms. Info demonstrates facility completion of changes required by suppl 10 to NUREG-0675, Section IV.1.

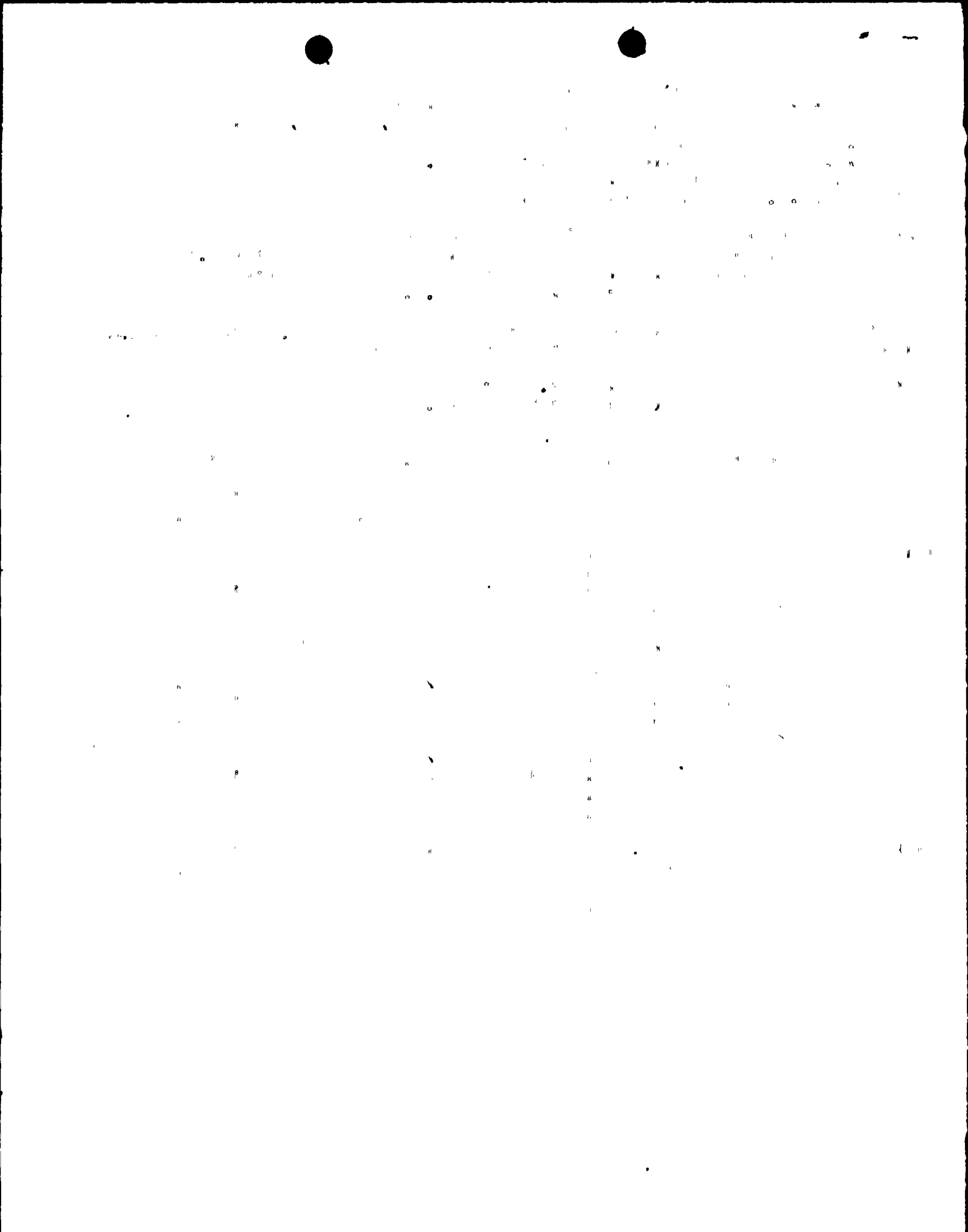
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77 BEALE STREET, SAN FRANCISCO, CALIFORNIA 94106
P. O. BOX 7442, SAN FRANCISCO, CALIFORNIA 94120

TELEPHONE (415) 781-4211
TELECOPIER (415) 543-7813

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VICE PRESIDENT AND GENERAL ATTORNEY

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PHILIP A. CRANE, JR.
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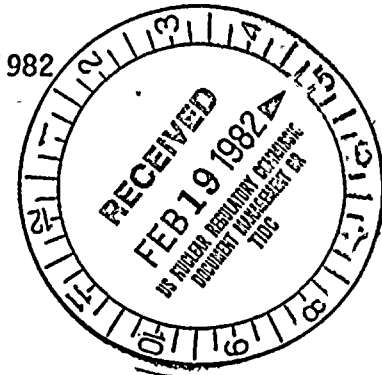
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February 18, 1982



Mr. Frank J. Miraglia, Jr., Chief
Licensing Branch No. 3
Division of Licensing
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Re: Docket No. 50-275
Docket No. 50-323
Diablo Canyon Units 1 and 2
Control Room Design Reviews

Dear Mr. Miraglia:

In our February 26, 1981 letter to you, we indicated the status of the control room design changes for Unit 1. The attachment to this letter entitled "Status of Control Room Design Changes for Units 1 and 2" demonstrates that we have completed those changes required by Supplement No. 10 to NUREG-0675, Section IV.1 for both units.

Kindly acknowledge receipt of this material on the enclosed copy of this letter and return it to me in the enclosed addressed envelope.

Very truly yours,

Philip A. Crane

Enclosure

cc (w/encl.): Service List

Boo/ 1/1

8202220355 820218
PDR ADDCK 05000275
PDR



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Attachment
Status of Control Room Design Changes for Units 1 and 2
(Required by Supplement No. 10 to NUREG-0675 Section IV.1)

The status of the control room changes requested for Unit 1 and Unit 2 is listed below:

1) Communications

- a. Breathing masks with integral microphones/amplifiers for improved communications will be provided for each operator in the control room.

Status: This has been completed for both units; eight masks have been delivered for operator use.

- b. The telephone handset mounted on the control console will be moved and remounted using a short handset cord.

Status: This has been completed for both units.

- c. A phone jack will be installed on the front of the radiation monitor system panel to permit use of a telephone handset for improving operator communications.

Status: This has been completed for both units.

2) Emergency Procedures

- a. Index tabs will be installed to permit quick identification and separation of individual emergency operation procedures.

Status: This has been completed for both units.

- b. Immediate action operating procedures will be revised to include necessary information, to shorten and/or footnote explanatory notes and phrases, and to simplify operator action instructions.

Status: This has been completed for both units.

- c. "Final" copies of the emergency procedures will be available on the control room.

Status: This has been completed for both units.

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MEMORANDUM FOR THE RECORD

SUBJECT: [Illegible]

1. [Illegible]

2. [Illegible]

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17. [Illegible]

18. [Illegible]

19. [Illegible]

20. [Illegible]

3) Controls

- a. Obscured labels under star-handled switches will be changed

Status: This has been completed for both units.

- b. A short training course on awareness will be given to operators, and an administrative procedure in the form of an operating order will be issued to instruct operators to check other instruments for system response to Hagen controller changes. Operators will receive retraining on an annual basis.

Status: This has been done. Training will be repeated annually.

4) Displays

- a. Each safety system monitor display window is equipped with two lamps, and a non-illuminated display indicates that a system is available. An existing lamp test capability for this system, although inconvenient to use, can effectively verify lamp condition. PGandE has agreed to increase the frequency of performing the lamp test from once-a-month to once-a-week. At each shift change, on-coming and off-going shift operators are required by plant procedures to perform a control board status review. Valve, breaker, etc., position indicators on the safety system vertical board are verified.

Status: Lamp tests will be performed once-a-week.

- b. To reduce the possibility of an erroneously replaced legendlight cap, PGandE will issue an administrative procedure requiring personnel to remove only one cap at a time to test or replace lamps. Operators and maintenance personnel will receive initial and annual training on the procedures.

Status: This has been completed. Training will be repeated annually.

- c. Where more than one amber light is associated with a control or display, each will be functionally labeled.

Status: This has been completed for both units.

- d. Core sub-cooling monitors and displays will be installed and operating.

Status: The monitors and displays have been installed on both units and will be operational prior to respective fuel load dates.

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FIRST
PART
OF
THE
HISTORY
OF
THE
CITY
OF
NEW
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FROM
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TO
1789

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5) Labels

- a. Labels will be changed to use consistent color coding for systems and functional groupings.

Status: This has been completed for both units.

- b. The use of abbreviations on labels for controls and displays within system or functional groupings and between alarm annunciator windows will be made consistent.

Status: This has been completed for both units.

6) Alarms

- a. Although there is no first out annunciator alarm panel to display the initiating alarm in a series of alarms, the operator can obtain such information from the process computer and the dedicated alarm computer printouts. Each printer logs the first out and all subsequent alarms.

Status: No action required.

- b. The low number and density of annunciator alarm tiles (over-head alarms) allows the operator to perform a quick visual scan of all annunciator panels to determine the source of an alarm signal and to respond to the alarmed panel. For these reasons, we do not believe that a multiple alarm system would provide any discernible advantage in detection and response over the single alarm system being used.

Status: No action required.

- c. To preserve the alarm flash indication after silencing the audible alarm, PGandE will change the system to preserve the alarm flash indication for a minimum of ten seconds after the audible alarm is silenced.

Status: This cannot be accomplished on either unit. If the alarm flash indication delay is introduced, all new inputs to the alarm panel would be precluded from initiating an audible signal for this period of time. (This statement was transmitted to the NRC on February 26, 1981. The NRC concluded that the above statement was valid and deleted the requirement in SER 12.)

- d. Operator awareness and operator training will emphasize the use of the process computer and the dedicated alarm computer printouts for diagnostic purposes. Operators will receive annual training.

Status: This has been completed for both units.

