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50-323 Diablo Canyon Nuclear Power Plant, Unit 2, Pacific Ga 05000323
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RECIP.NAME RECIPIENT AFFILIATION
MIRAGLIA,F.J. Operating Reactors Branch 3

SUBJECT: Responds to NRC 800827 ltr re Review Question 5. Response provides commitments & completion schedule for upgraded meteorological program & is organized to address four essential elements in NUREG-0654, App 2.

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	HYD/GEO BR	15	2	2	I&C SYS BR	16	1	1
	I&E	06	3	3	LIC GUID BR		1	1
	LIC QUALI BR		1	1	MATL ENG BR	17	1	1
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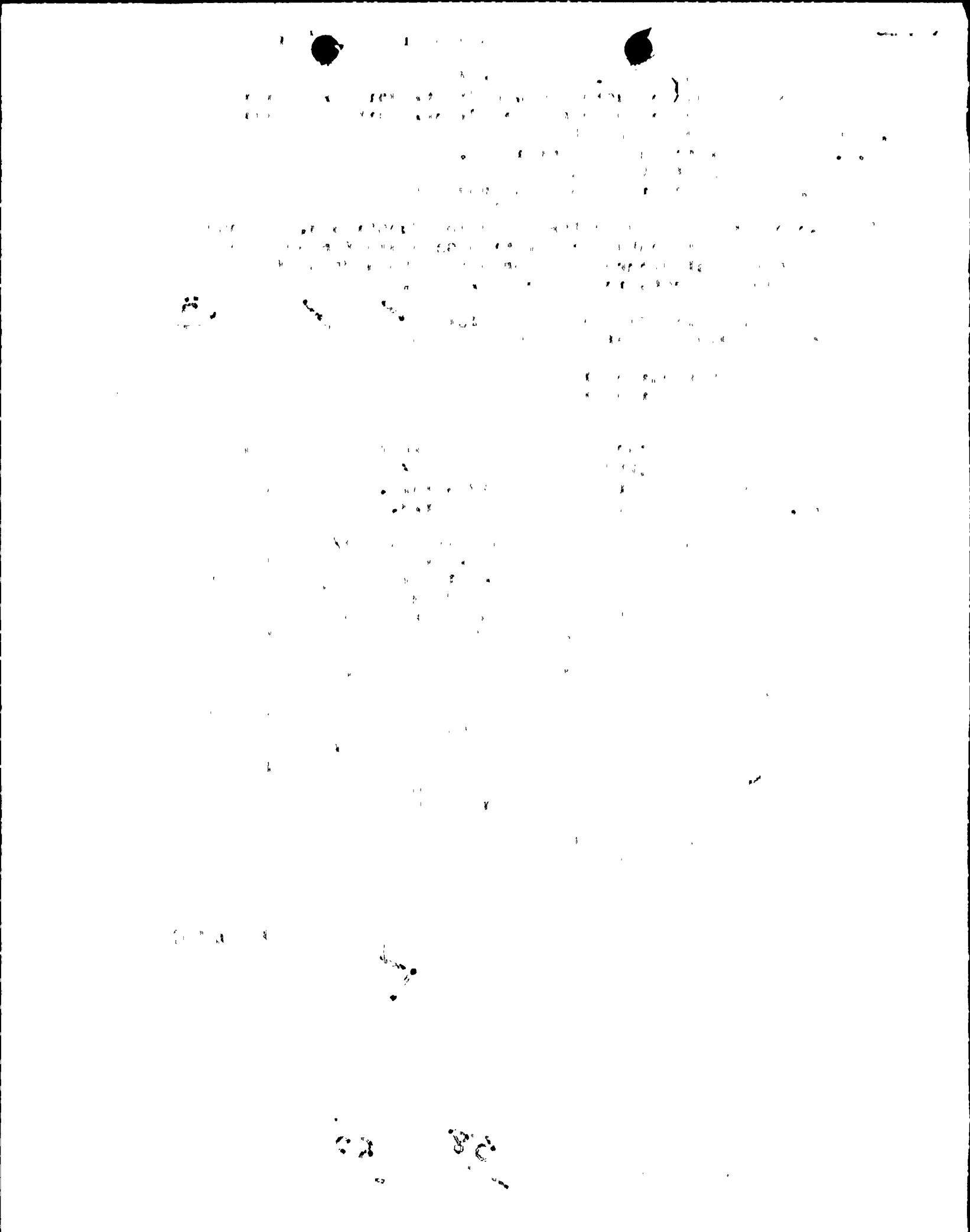

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ATTORNEYS

December 2, 1980

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

Dear Mr. Miraglia:

The attached information is submitted in response to Review Question 5 in the letter dated August 27, 1980 from Mr. A. Schwencer.

These responses provide commitments and a corresponding completion schedule for the upgraded meteorological program. It is designed to be in compliance with NUREG-0654, Appendix 2--"Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants." Commitments may be altered upon final promulgation of the current draft revision of NUREG-0654 and forthcoming guidance related to Class A and Class B atmospheric transport/diffusion modeling.

The responses are organized to address the four essential elements specified in NUREG-0654, Appendix 2.

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

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Very truly yours,

Philip A. Crane, Jr.

Attachment (40)
CC w/attachment: Service List

Element 5.1:

A primary meteorological measurements program with redundant power sources.

Response:

The existing meteorological tower serves as the data collecting system for interim primary meteorological measurements. There is presently an 8-hour battery package to provide a redundant power supply for data acquisition.

Element 5.2:

A backup meteorological measurements program with redundant power sources.

Response:

The full operational capability of a backup data acquisition system with an alternate power supply will be satisfied by the required implementation date, as specified in Milestone 4 of the proposed schedule for Appendix 2, NUREG-0654. Site selection for the new meteorological tower is complete. The alternate tower installation is expected to be completed by the required implementation date, as specified in Milestone 3 of the schedule. Prior to operation of the backup system, PGandE will comply with requirements of the alternative minimum acceptance criteria in Milestone 2 of the implementation schedule.

Element 5.3:

A system for making real-time predictions of the atmospheric effluent transport and diffusion, including Class A and Class B models as described in Appendix 2.

Response:

A Class A analytical model is currently operating on a real-time predictive basis to provide a linear interpretation of plume behavior that is consistent with meeting the intent of NUREG-0654, Rev. 1 (draft). PGandE plans to have an upgraded analytical model available through implementation of the APT system which provides, as a minimum, plume behavior according to Appendix 2 criteria (Class A Model). PGandE is currently investigating candidate codes and algorithms for use as a Class B model including the capability of forecasting input parameters up to 24 hours in advance. Full Class A and full Class B modeling capability will be available by their required implementation dates specified in the proposed schedule, Milestones 2 and 7. Descriptive documentation of models will be supplied as specified in Milestones 1 and 6.

Element 5.4:

A capability for remote interrogation on demand of the atmospheric measurements and prediction systems by the licensee, emergency response organizations, and the NRC staff with primary and backup communications systems.

Response:

Remote interrogation of the meteorological system for measured and predicted parameters will be available for inquiries through dedicated as well as commercial phone systems which are to be installed by the required implementation date as specified in NUREG-0654, Rev. 1 (draft). It is anticipated that the APT system will be installed by the required implementation date as specified in NUREG-0654, Rev. 1 (draft).

Full system implementation is expected by the required implementation date as specified in NUREG-0654, Rev. 1 (draft).