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 50-323 Diablo Canyon Nuclear Power Plant, Unit 2, Pacific Ga
 AUTH.NAME AUTHOR AFFILIATION
 CRANE,P.A. Pacific Gas & Electric Co.
 RECIP.NAME RECIPIENT AFFILIATION
 ENGELKEN,R.H. Region 5, San Francisco, Office of the Director

DOCKET #
05000275
 05000323

SUBJECT: Interim deficiency rept re 6-s delay in containment spray pump start after high-high pressure signal during LOCA, initially reported 801204. Starting sequence will be changed. Final rept due after design of modified starting scheme.

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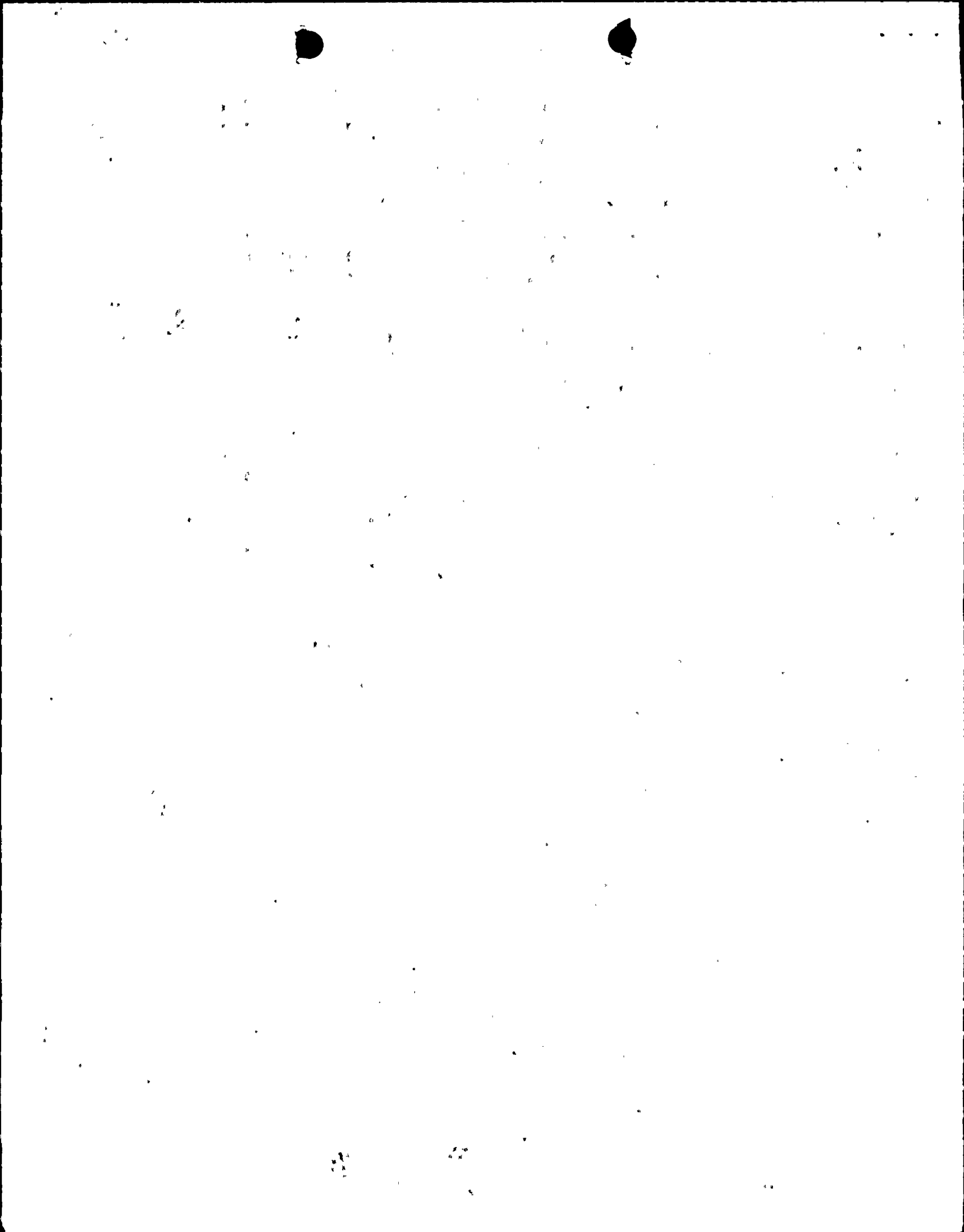
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January 19, 1981

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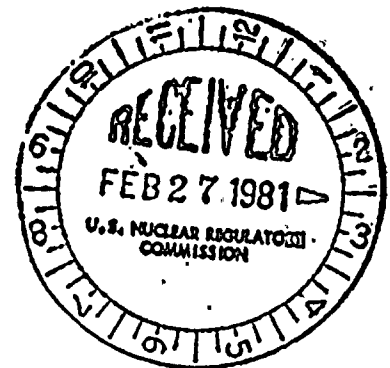
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Re: Docket No. 50-275
Docket No. 50-323
Diablo Canyon Units 1 & 2



Dear Mr. Engelken:

On December 4, 1980 Mr. George Spencer of your office was notified by telephone of a deficiency reportable under the requirements of 10 CFR 50.55(e). This letter is an interim report on this deficiency which concerns containment spray pump start timing. The problem also is described in PGandE Nonconformance Report No. DCO-80-EN-005.

In the event of a LOCA, the containment spray pumps start six seconds after the containment high-high pressure (P) signal. Other engineered safety features (ESF) equipment is started by a series of timers in a pre-determined sequence, following the safety injection (S) signal. This arrangement, based on the incorrect assumption that the P and S signals are generated at the same time, was designed to provide an orderly sequencing of electrical loads onto the emergency busses. Since the P and S signals are not necessarily coincident, it is possible to postulate the starting of the containment spray pumps simultaneously with the starting of other ESF equipment. This could result in the tripping of an emergency buss and the loss of ESF functions following a LOCA.

The starting sequence will be changed to remove the possibility of conflict between the starting times of the spray pumps and other ESF equipment. This revised starting sequence will be reviewed by PGandE and Westinghouse to verify that the

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Mr. R. H. Engelken

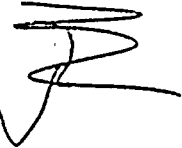
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conclusions of the safety analysis will not be affected.

A final report will be submitted after the modified starting scheme is designed and the safety analysis verification is complete.

Very truly yours,

Philip A. Girone 

CC: Service List



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