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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
 STOLZ, J.F. Light Water Reactors Branch 1

SUBJECT: Forwards tabulation of info re equipment located outside containment & subj to high energy line break, in response to NRC 791102 ltr concerning environ qualification of Class IE electrical equipment.

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ROBERT OHLBACH
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ASSISTANT GENERAL COUNSEL

March 20, 1980

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ATTORNEYS

Mr. John F. Stolz, Chief
Light Water Reactors Branch No. 1
Division of Project Management
U.S. Nuclear Regulatory Commission
Washington, D. C. 20555

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

Dear Mr. Stolz:

In response to your letter of November 2, 1979 regarding Environmental Qualification of Class IE Electrical Equipment, attached is our tabulation of the required information covering equipment located outside containment - subject to high energy line break. Information concerning equipment located outside containment not subject to severe environment and information concerning aging investigations will be submitted in accordance with the schedule contained in our letter dated December 5, 1979.

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

Very truly yours,

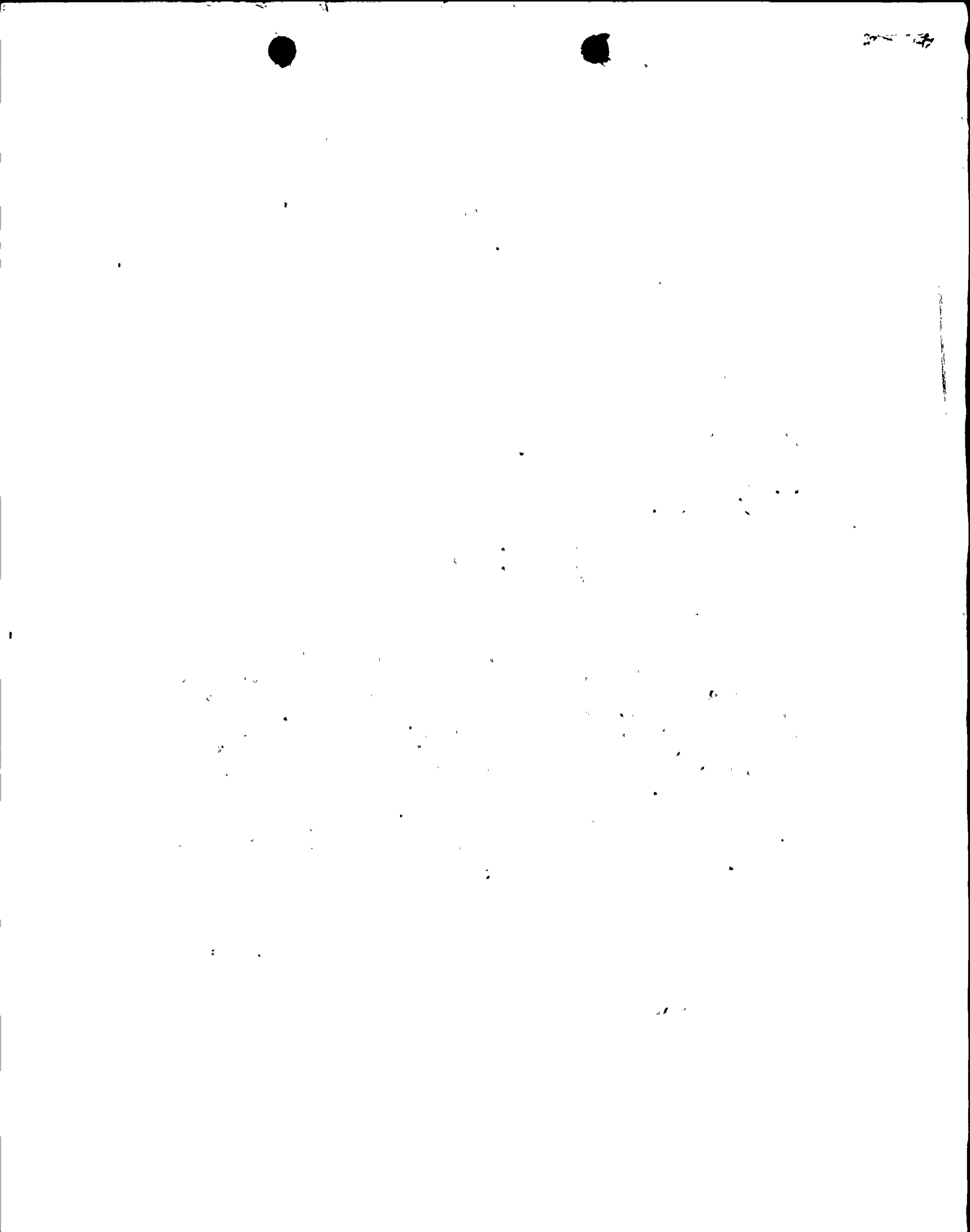
Philip A. Brew

Attachment (40)

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CLASS IE EQUIPMENT OUTSIDE CONTAINMENT
SUBJECT TO HIGH ENERGY LINE BREAK

Equip- ment Function	Location	Manufac- turer	Model No. or Identi- fication No.	Abnormal or Accident Environment			Qualified Environment			Oper- ability Require- ments	Oper- ability Demon- strated	Accur- acy Require- ments (% of span)	Accur- acy Demon- strated (% of span)	Qualifi- cation Refer- ence and Methods
				Peak Temper- ature Pres- sure Humid- idity	Chemis- try Condi- tion	Inter- grated Dose Radia- tion Type	Peak Temper- ature Pres- sure Humid- idity	Chemis- try Condi- tion	Inter- grated Dose Radia- tion Type					
1. Elec- trical Cables	Various	Raychem	Fisatrol	212°F for 300 sec. then 200°F 100% RH	-	Note 1	540°F for 72 hrs.	-	-	N/A	N/A	N/A	N/A	Raychem Test Report EM1030 9-24-74 (Test)
		Okonite	EPR/ Okolon (Hypalon)	212°F for 300 sec. then 200°F 100% RH	-	Note 1	540°F for 48 hours	-	-	N/A	N/A	N/A	N/A	Okonite Test Report 10-14-74 (Test)
2. Feed- water flow sensors	Area FW El. 85'	Fischer & Porter	10B2496 PBBA	212°F for 300 sec. then 200°F 100% RH	-	Note 1	295°F 63 psig 100% RH	-	-	Trip 5 Min.	127 Min.	±10% for ≤5 min.	+17% -3.5%	WCAP 7410-L (Test)
	Area GW El. 105'									Post DBE 4 months	5 min. to 4 mo. ±25%			
3. Main steam line pres- sure sensors	Area FW El. 85'	Fischer & Porter	50EP1041BCX	212°F for 300 sec. then 200°F 100% RH	-	Note 1	294°F 60 psig 100% RH	-	-	Trip 5 min.	127 min.	±10% for ≤5 min.	+6% -1%	WCAP 7410-L (Test)
	Area GW El. 120'									Post DBE 4 months	5 min. to 4 mo. ±25%			
4. Auxi- liary feed- water iso- lation valve motor opera- tors	Area FE El. 111 Area GE El. 118	Limitorque	SMC-04	212°F for 300 sec. then 200°F 100% RH	-	Note 1	250°F 25 psig	-	-	Operate	Operated	N/A	N/A	Limitorque Test Report B0003 and attached Limitorque letter

Note 1: Presently accident radiation is considered negligible - 60 Rad. Post TMI analysis is pending.

