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 FACIL: 50-275 Diablo Canyon Nuclear Power Plant, Unit 1, Pacific Gas 05000275
 50-323 Diablo Canyon Nuclear Power Plant, Unit 2, Pacific Gas 05000323
 AUTH. NAME: CRANE, P. A. AUTHOR AFFILIATION: Pacific Gas & Electric Co.
 RECIP. NAME: STOLZ, J. F. RECIPIENT AFFILIATION: Light Water Reactors Branch 1

SUBJECT: Forwards revised Figure 2 showing actuator pressure relief sys re Attachment A of 790927 ltr. Valve qualification program requested is not required at facility.

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NOTES: J. HAWCHETT w/1 cy All MATL.

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	09 GEOSCIEN BR	4	4	10 QAB	1	1
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	13 MATL ENG BR	2	2	15 REAC SYS BR	1	1
	16 ANALYSIS BR	1	1	17 CORE PERF BR	1	1
	18 AUX SYS BR	1	1	19 CONTAIN SYS	1	1
	20 I & C SYS BR	1	1	21 POWER SYS BR	1	1
	22 AD SITE TECH	1	0	26 ACCDNT ANLYS	1	1
	27 EFFL TRT SYS	1	1	28 RAD ASMT BR	1	1
	29 KIRKWOOD	1	1	AD FOR ENG	1	0
	AD PLANT SYS	1	0	AD REAC SAFETY	1	0
	AD SITE ANLYSIS	1	0	DIRECTOR NRR	1	0
	HYDRO-METEOR BR	2	2	MPA	1	0
	OELD	1	0			
	EXTERNAL:	03 LPDR	1	1	04 NSIC	1
30 ACRS		10	10			

LTR

MOORE

EPB #1 - BC

S. Kirsliis

EPB #1 - LA

NOV 16 1979

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56

51 ENCL

45

40

CCP
MAY

1. *Chlorophyll a* and *Chlorophyll b* were determined using a spectrophotometer (Shimadzu UV-160U) at 663 nm and 646 nm, respectively. The concentrations of *Chlorophyll a* and *Chlorophyll b* were calculated using the following equations: $Chl\ a = 11.85 \times OD_{663} - 1.81 \times OD_{646}$ and $Chl\ b = 21.90 \times OD_{646} - 4.68 \times OD_{663}$ (Morehead and Munro 1958).

[illegible]

$\varphi(x) = \frac{1}{\sqrt{\pi}} e^{-x^2}$, $f(x) = x^2$, $g(x) = x^4$. Then $\int_{-\infty}^{\infty} f(x) \varphi(x) dx = \frac{1}{\sqrt{\pi}} \int_{-\infty}^{\infty} x^2 e^{-x^2} dx = \frac{1}{\sqrt{\pi}} \cdot \frac{\sqrt{\pi}}{2} = \frac{1}{2}$.

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PACIFIC GAS AND ELECTRIC COMPANY

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November 7, 1979

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

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

Dear Mr. Stolz:

Mr. Darrell S. Eisenhut in a letter on September 27, 1979 regarding Containment Purging and Venting During Normal Operation - Guidelines for Valve Operability requested a commitment to a purge valve qualification program.

In our letters of September 27, 1978 and April 13, 1979 we responded to your letters of March 21, 1978 and March 14, 1979, respectively, on the subject of Containment Purging. In our submittals we addressed the problems of differential pressure and the resulting loading of the design basis LOCA by explaining our solution of installing a protective relief valve which will prevent the pressure in the valve pneumatic actuator from building up to a point where the valve shaft would be exposed to excessive torques. In Attachment A to our September 27, 1978 submittal we included a Figure 2 which schematically represented the Actuator Pressure Relief System as it was being installed. Subsequent testing of the system dictated changes. Attached is a revised Figure 2 which shows the system as installed.

Based upon our system design, the valve qualification program requested is not required at Diablo Canyon.

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,

Attachment

Philip A. Crane

7911150

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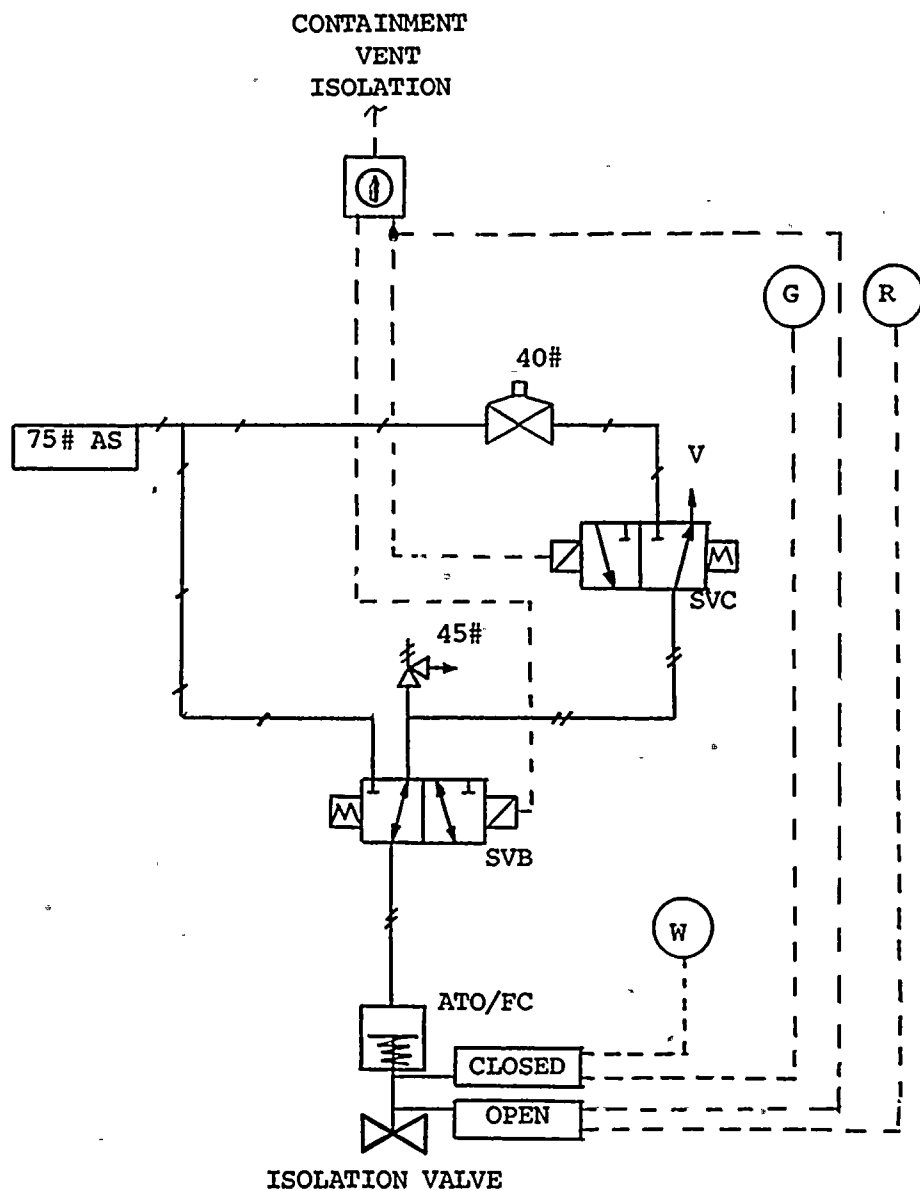
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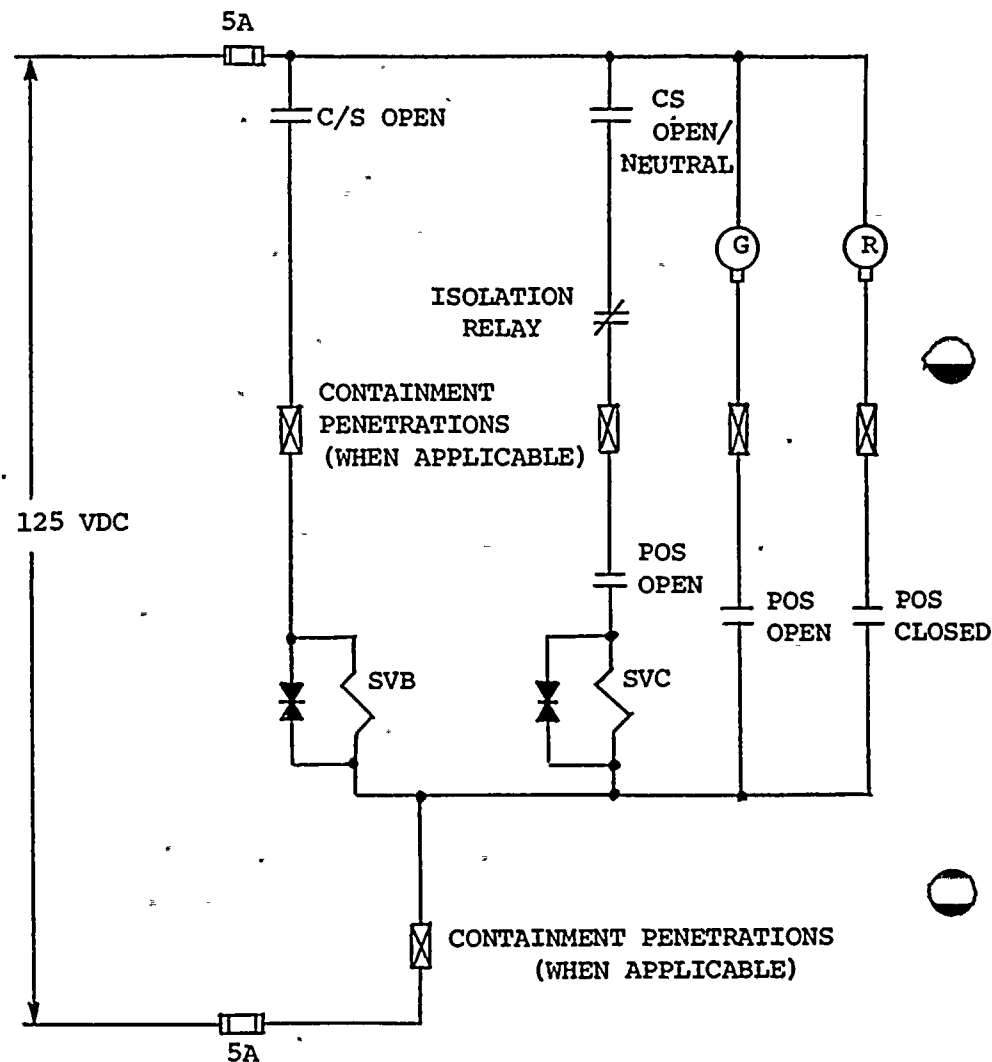
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INSTRUMENT DIAGRAM



ELECTRICAL SCHEMATIC

Figure 2
Revised 10-29-79

