

B 03/02/78

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)
DISTRIBUTION FOR INCOMING MATERIAL

50-275 323

REC: STOLZ J F
NRC

ORG: CRANE P A
PACIFIC GAS & ELEC

DOC DATE: 02/21/78
DATE RCVD: 02/28/78

DOCTYPE: LETTER NOTARIZED: NO
SUBJECT:

COPIES RECEIVED
LTR 1 ENCL 40

FURNISHING INFO CONCERNING ADVANTAGES AND DISADVANTAGES OF A
SEISMIC SCRAM ASSUMING THAT THE INSTRUMENT WAS SET TO TRIGGER A
SCRAM AT AN INSTRUMENTAL ACCELERATION IN THE RANGE OF 0.4G TO
0.5 G... W/ATT DRAWING.

PLANT NAME: DIABLO CANYON - UNIT 1
DIABLO CANYON - UNIT 2

REVIEWER INITIAL: XJM
DISTRIBUTER INITIAL:

***** DISTRIBUTION OF THIS MATERIAL IS AS FOLLOWS *****

NOTES:
- J SOUDER W/1CY EVERYTHING (REG V)
- HEDDON W/1CY ENVIRON MATERIAL

PSAR/FSAR AMDTS AND RELATED CORRESPONDENCE
(DISTRIBUTION CODE B001)

FOR ACTION: ASST DIR VASSALLO**LTR ONLY BR CHIEF STOLZ**LTR ONLY
PROJ MGR ALLISON**W/ENCL LIC ASST HYLTON**LTR ONLY

FOR INFO: MOORE**W/ENCL KNIGHTON**W/ENCL
FOR INFO: CLARK**W/ENCL SLATER**W/ENCL

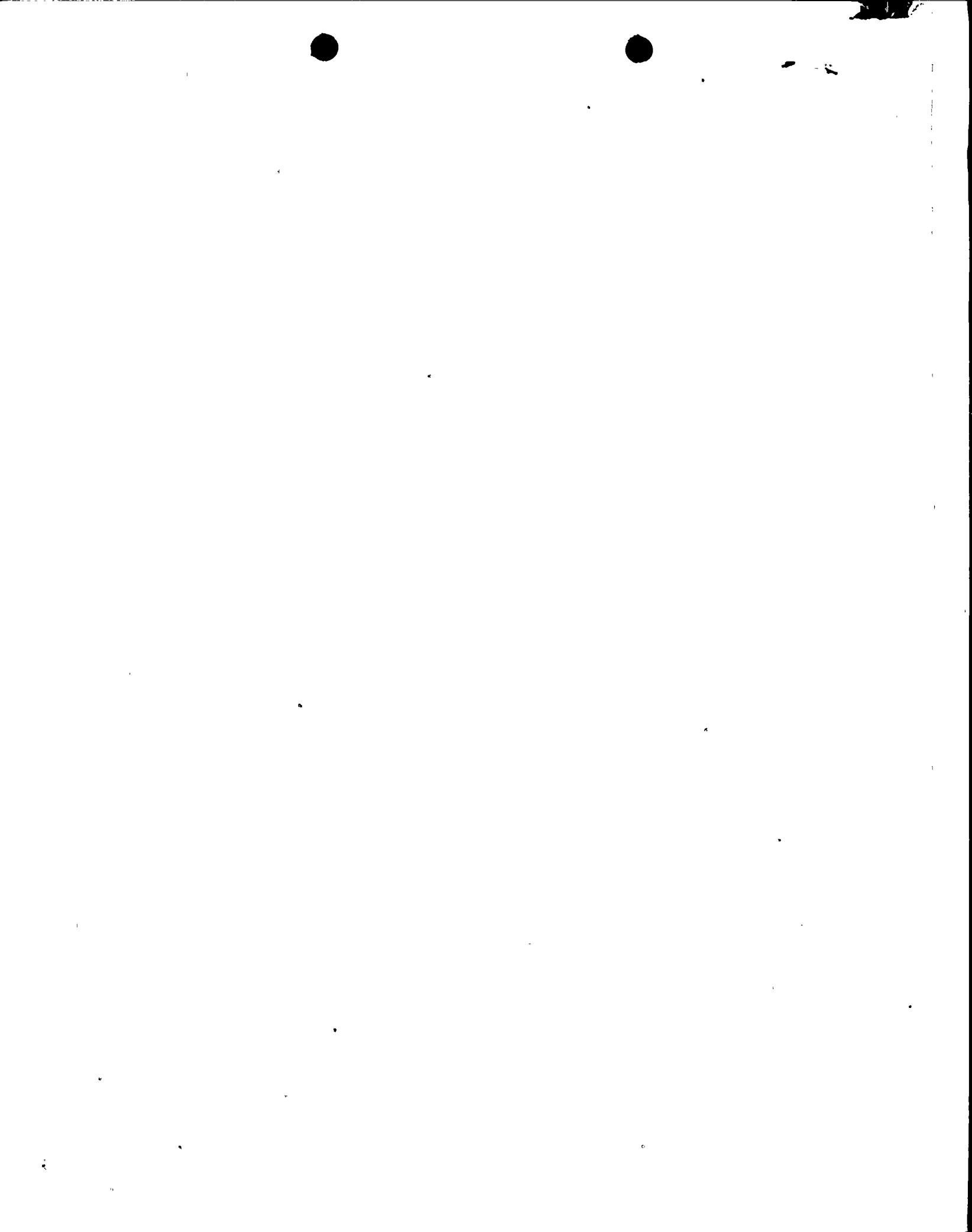
INTERNAL: REG FILE**W/ENCL NRC PDR**W/ENCL
1 & 2**W/2 ENCL OELD**LTR ONLY
P. COLLINS**W/ENCL HOUSTON**W/ENCL
HELTEMES**W/ENCL CASE**LTR ONLY
MIPC**LTR ONLY KNIGHT**LTR ONLY
BOSNAK**W/ENCL SIHWEIL**W/ENCL
PAWLICKI**W/2 ENCL ROSS**LTR ONLY
NOVAK**W/ENCL ROSZTOCZY**W/ENCL
CHECK**W/ENCL TEDESCO**LTR ONLY
BENAROYA**W/ENCL LAINAS**W/ENCL
IPPOLITO**W/ENCL F. ROSA**W/ENCL
GAMMILL**W/2 ENCL VOLLMER**LTR ONLY
BUNCH**W/ENCL J. COLLINS**W/ENCL
KREGER**W/ENCL KIRKWOOD**W/ENCL

EXTERNAL: LPDR'S
SAN LUIS OBISPO, CA**W/ENCL
TIG**W/ENCL
NSIC**W/ENCL
ACRS CAT A**W/16 ENCL

DISTRIBUTION: LTR 58 ENCL 48
SIZE: 2P+1P

CONTROL NBR: 780600014

MA 4
60



REGULATORY DOCKET FILE COPY

PACIFIC GAS AND ELECTRIC COMPANY

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February 21, 1978

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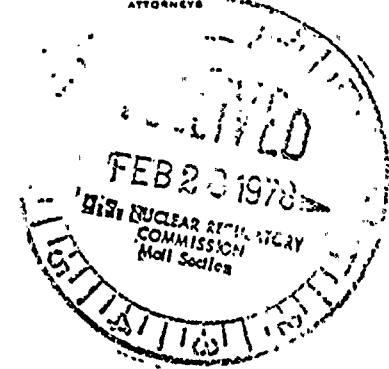
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Mr. John F. Stolz, Chief
Light Water Reactors Branch No. 1
Division of Project Management
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555



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

Dear Mr. Stolz:

At the ACRS subcommittee meeting in Los Angeles, California, on June 19 - 23, 1977, the Chairman inquired whether PG&E had considered the advantages and disadvantages of a seismic scram assuming that the instrument was set to trigger a scram at an instrumental acceleration in the range of 0.4g to 0.5g. We indicated we had considered such an instrument at that setting.

We are purchasing a system which uses three triaxial instruments mounted in separate locations at the base of the Unit 1 containment structure. The system will trip the reactor when an acceleration of 0.4g is exceeded in any one of three mutually orthogonal directions (X, Y and Z), provided such exceedance is recorded simultaneously at two of the three separate locations.

Each instrument contains three transducers, one for each of the three directions. When the acceleration setpoint is exceeded in any of the three transducers of an instrument, the affected transducer will close a relay to produce a signal for at least six seconds (adjustable to twenty seconds if desired).

Each transducer has two (redundant) output connectors. The redundant outputs from the nine transducers are arranged in two (redundant) trains. Each train is wired to a separate logic cabinet containing nine relays.

If two out of three transducers in any direction (X, Y or Z) simultaneously produce output signals, each logic cabinet will provide

Boo! SE 1/2 40*

