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 FACIL: 50-275 Diablo Canyon Nuclear Power Plant, Unit 1, Pacific Ga 05000275
 50-323 Diablo Canyon Nuclear Power Plant, Unit 2, Pacific Ga 05000323
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 RECIP. NAME RECIPIENT AFFILIATION
 MIRAGLIA, F. Licensing Branch 3

SUBJECT: Provides plant specific response to NUREG-0737, Item II.D.1 re pressurizer block valve qualification for pressurized PWRs. Tests adequacy demonstrate operability of Velan block valves utilized at facilities.

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 TITLE: Response to NUREG -0737/NUREG-0660 TMI Action Plan Rgmts (OL's)

NOTES: J Hanchett 1cy PDR Documents. 05000275
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NOTES:		1 1		

THE UNIVERSITY OF CHICAGO
DEPARTMENT OF CHEMISTRY

RESEARCH REPORT
NO. 1000

BY
J. H. GOLDSTEIN
AND
R. F. FIESHER

CHICAGO, ILLINOIS
1955

ABSTRACT
The infrared spectra of the
monomers and polymers of
acrylonitrile, acrylamide,
and methacrylamide have been
studied. The infrared spectra
of the polymers show
characteristic absorption bands
in the region 1600-1700 cm⁻¹
which are attributed to the
amide carbonyl group. The
infrared spectra of the
polymers also show
characteristic absorption bands
in the region 1400-1500 cm⁻¹
which are attributed to the
nitrile group. The infrared
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bands in the region 1000-1200
cm⁻¹ which are attributed to
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The infrared spectra of the
polymers also show
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in the region 700-800 cm⁻¹
which are attributed to the
C-H stretching vibration.

INTRODUCTION
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PACIFIC GAS AND ELECTRIC COMPANY

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J. O. SCHUYLER
VICE PRESIDENT
NUCLEAR POWER GENERATION

June 30, 1982

Mr. Frank Miraglia, Jr., Chief
Licensing Branch No. 3
Division of Licensing
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, DC 20555

Re: Docket No. 50-275, OL-DPR-76
Docket No. 50-323
Diablo Canyon Units 1 and 2

Dear Mr. Miraglia:

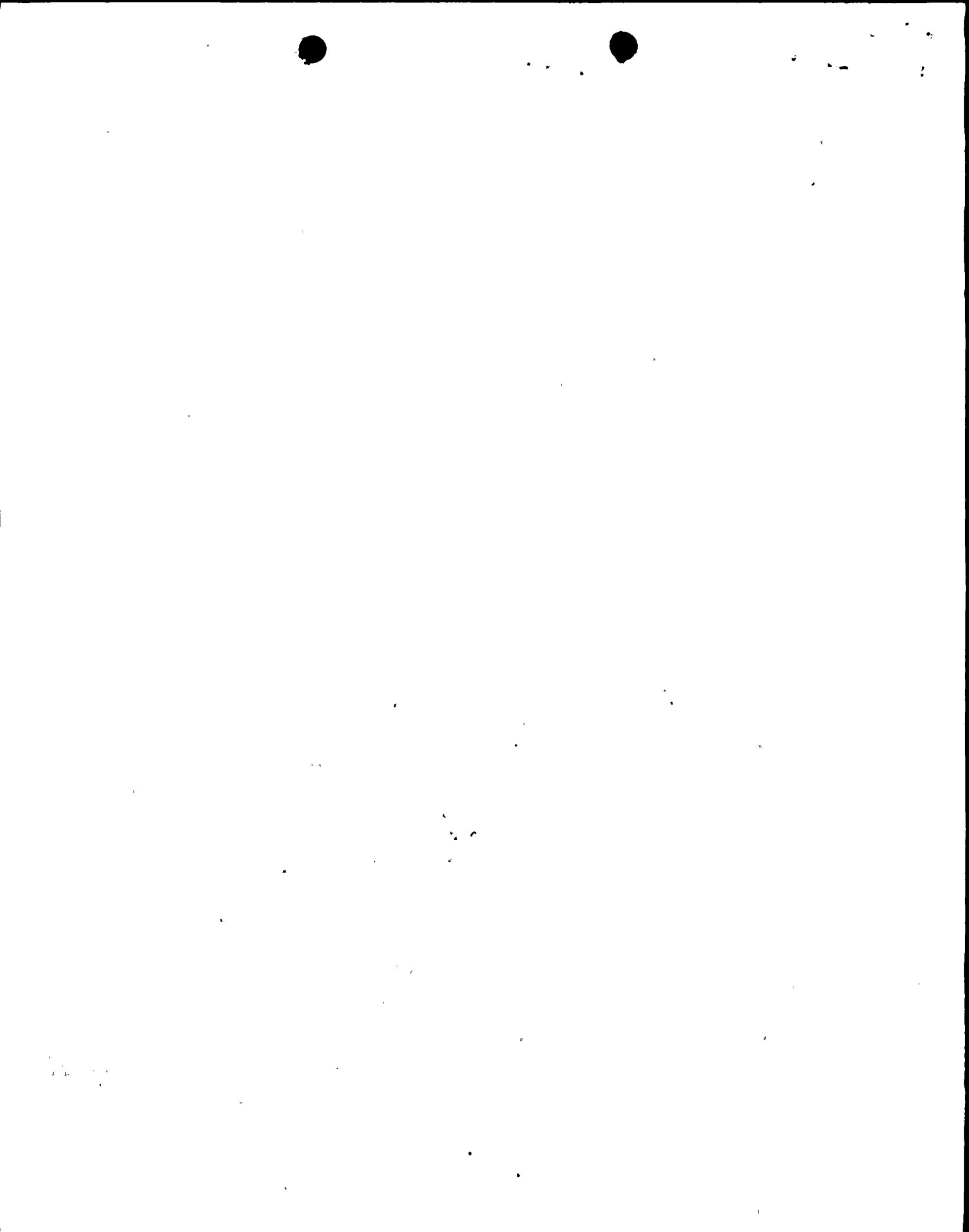
NUREG-0737, Item II.D.1, as revised by NRC Staff paper SECY 81-491 and NRC letter dated September 29, 1981, requires that plant specific reports be submitted by July 1, 1982 to document pressurizer block valve qualification for pressurized water reactors (PWRs). The requirements of Item II.D.1, through SECY 81-491, were specifically incorporated as a condition of the Diablo Canyon Unit 1 Low Power License (DPR-76). This letter constitutes PGandE's plant specific response on the pressurizer block valves for Diablo Canyon Units 1 and 2.

PGandE has pursued resolution of the requirements of Item II.D.1 of NUREG-0737 through direct participation in the Electric Power Research Institute ("EPRI") valve test program. This program was specifically established to obtain test data to support pressurizer safety and relief valve operability. However, block valve testing was also performed by EPRI in conjunction with this program.

In response to the requirement of Item II.D.1 on block valve qualification, EPRI issued a report entitled "EPRI PWR Safety and Relief Valve Test Program, PORV Block Valve Information Package," dated May 1982. The report documents information relating to the performance of block valves in PWR plants. This report was submitted to the NRC on June 1, 1982 by R. C. Youngdahl of Consumers Power Company on behalf of the participating PWR utilities, including PGandE.

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Mr. Frank Miraglia, Jr.

June 30, 1982

Page 2


There are three pressurizer block valves in each unit at Diablo Canyon. They are model B10-3054B-13MS gate valves manufactured by Velan Engineering Company. A Velan block valve representative of the valves at Diablo Canyon has been tested by EPRI in configurations representative of the actual pressurizer configuration at Diablo Canyon. Details of the test conditions are included in the EPRI report.

PGandE has evaluated the EPRI report and determined that, although some minor differences exist between the test conditions and Diablo Canyon, the differences are insignificant and the information included in the report is applicable to Diablo Canyon. Further, PGandE has determined that the EPRI tests adequately demonstrate the operability of the Velan block valves utilized at Diablo Canyon. Therefore, we consider that the requirement of NUREG-0737, Item II.D.1, as well as the Unit 1 Low Power License condition regarding block valve qualification for Diablo Canyon has been satisfied.

Very truly yours,


J. O. SCHUYLER

Subscribed and sworn to before me
this 30th day of June, 1982.


Nancy J. Lemaster, Notary Public in
and for the City and County of
San Francisco, State of California.
My Commission expires April 14, 1986.

Robert Ohlbach
Philip A. Crane, Jr.
Attorneys for Pacific
Gas and Electric Company

BY


Philip A. Crane, Jr.



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Mr. Frank Miraglia, Jr.

June 30, 1982
Page 3

cc: W. Bilanin, EPRI
W. Gangloff, Westinghouse
Service List

