

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

In the Matter of)
PACIFIC GAS AND ELECTRIC COMPANY)
Units 1 and 2)
Diablo Canyon Site)

Docket Nos. 50-275-OL ✓
50-323-OL ✓

REVISED RESPONSE OF PACIFIC GAS AND ELECTRIC COMPANY
TO INTERROGATORY 49 FILED BY THE SAN LUIS OBISPO
MOTHERS FOR PEACE DATED JUNE 19, 1975

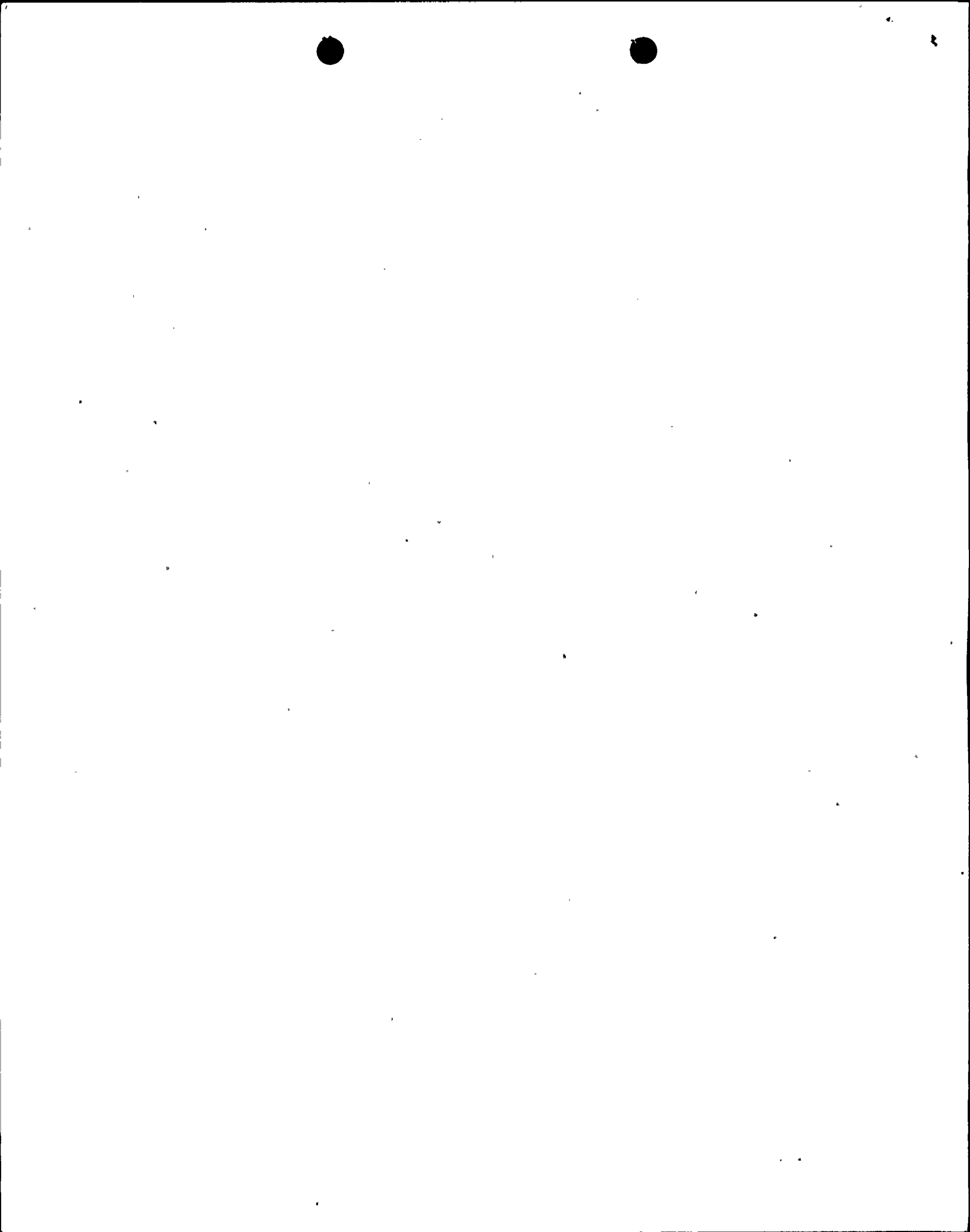
49. For two 17 X 17 fresh fuel assemblies of 3.5% enrichment, without control rods or burnable poison rods, fully immersed in cold clean water, with longitudinal axes parallel, and in most reactive geometry, i.e., contacting each other lengthwise, provide the value of effective K.

Response

The value of K_{eff} for the most reactive geometry with the other conditions specified in the Interrogatory is 0.99. This is with a slight spacing of between 0.3 and 1 inch between fuel assemblies, which is more reactive than lengthwise contact between fuel assemblies.

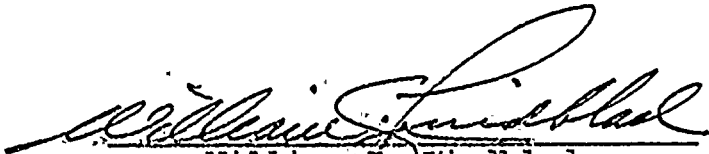
The first core of new fuel for Diablo Canyon Unit 1 will have an enrichment of 3.1% maximum. The value of K_{eff} for two assemblies of 3.1% enrichment in the most reactive

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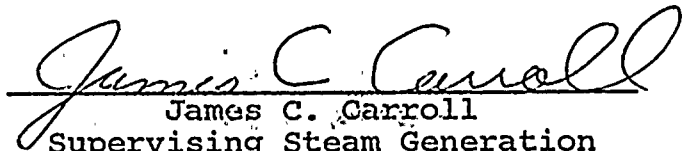


geometry with the other conditions specified in the Interrogatory is 0.96.

We declare under penalty of perjury that the foregoing Revised Response To Interrogatory 49 is true and correct to the best of our knowledge, information, and belief.



William J. Lindblad
Project Engineer
Units 1 and 2
Diablo Canyon Site

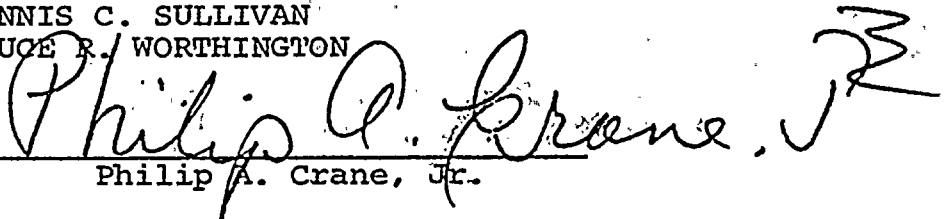


James C. Carroll
Supervising Steam Generation
Engineer
Pacific Gas and Electric Company

Respectfully submitted,

JOHN C. MORRISSEY
PHILIP A. CRANE, JR.
DENNIS C. SULLIVAN
BRUCE R. WORTHINGTON

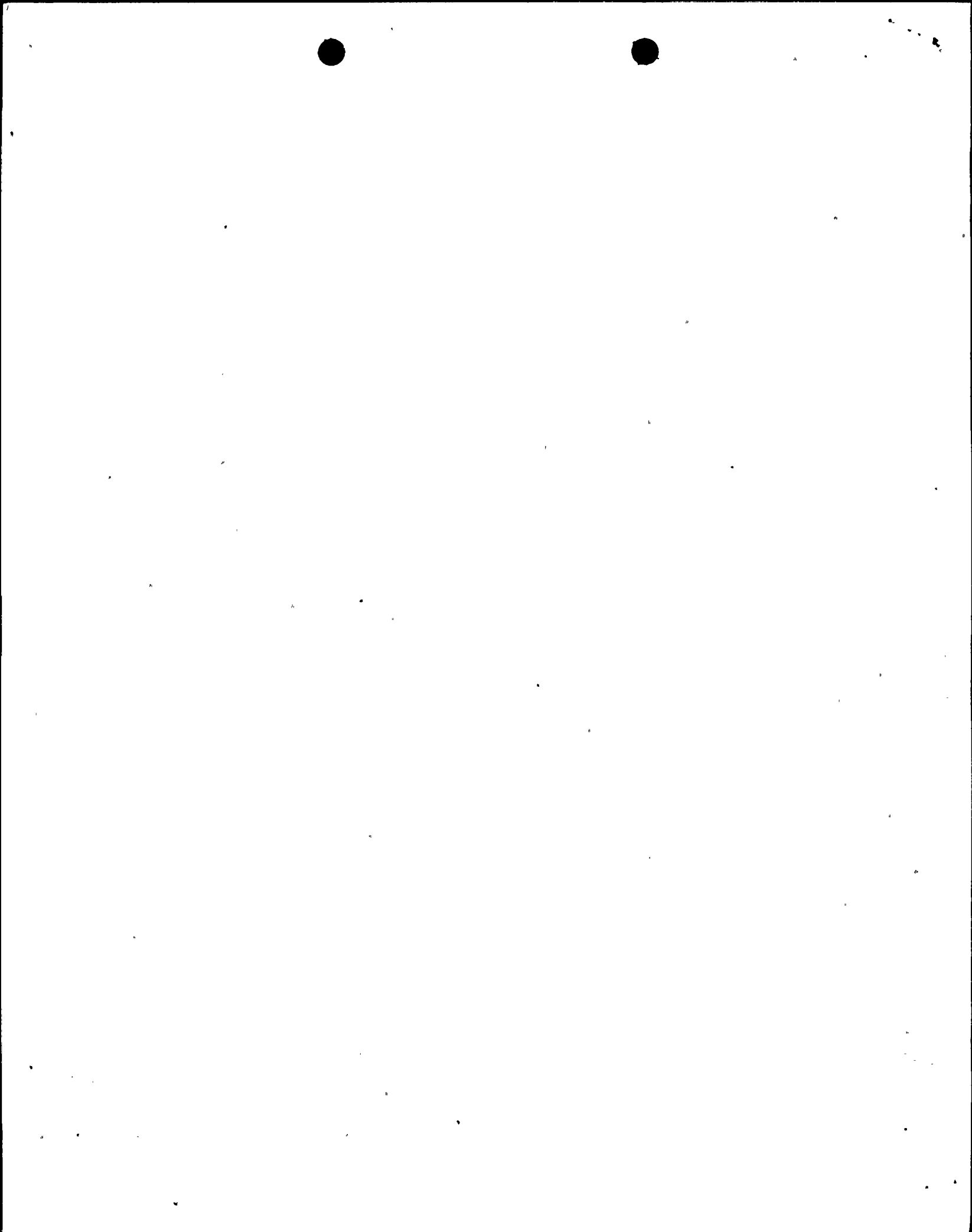
By



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Dated: August 27, 1975



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CERTIFICATE OF SERVICE

The foregoing document~~XXX~~ of Pacific Gas and Electric Company has ~~(XXXX)~~ been served today on the following by deposit in the United States mail, properly stamped and addressed:

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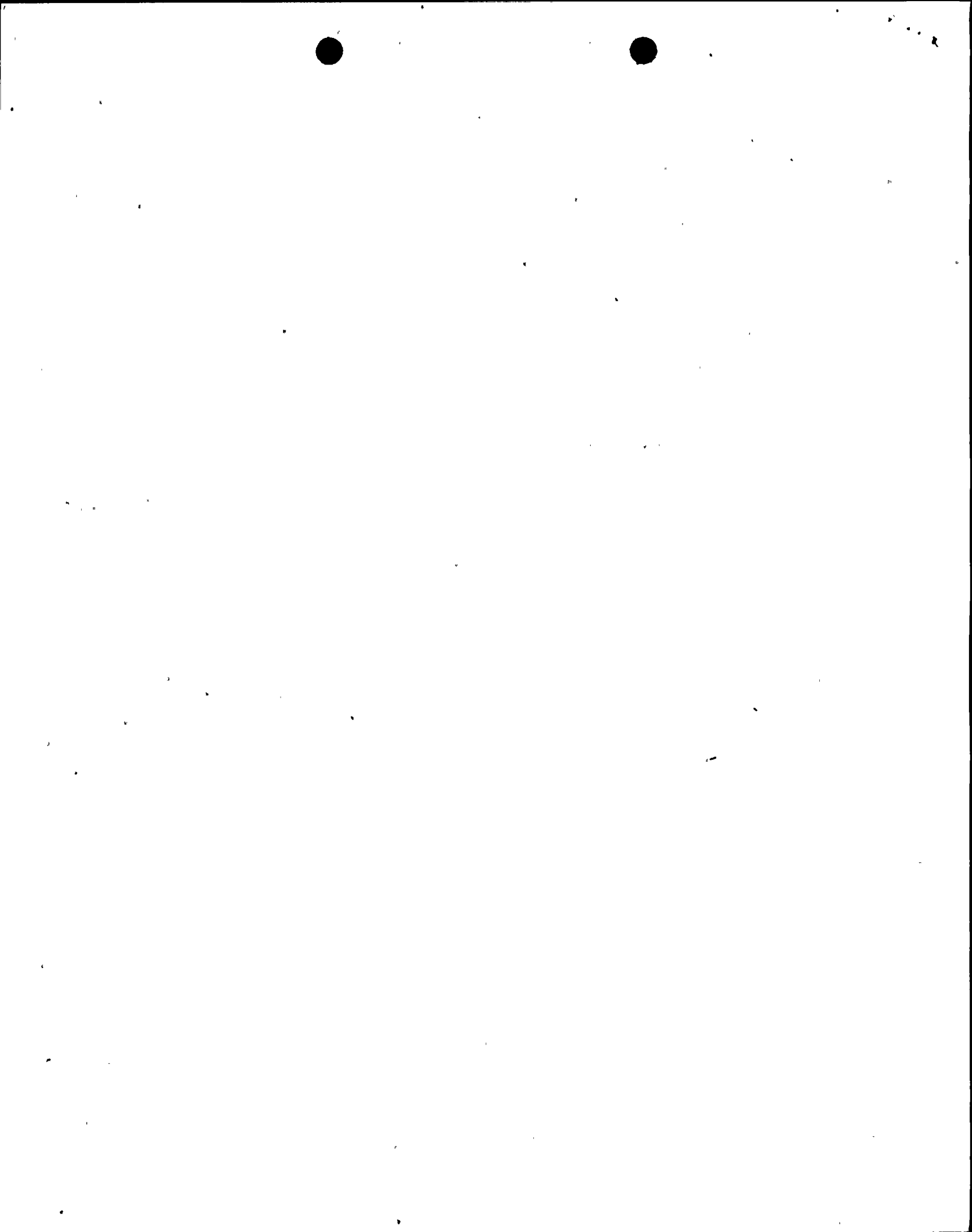
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Dated: August 27, 1975



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