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 RUEGER, G.M.    Pacific Gas & Electric Co.  
 RECIP. NAME    RECIPIENT AFFILIATION  
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SUBJECT: Requests approval to use encl ASME Code Case N-505 during Unit 1 fifth refueling outage scheduled to begin in Sept 1992. Subj code case approved by ASME Main Committee on 920508 & currently in final stage of approval.

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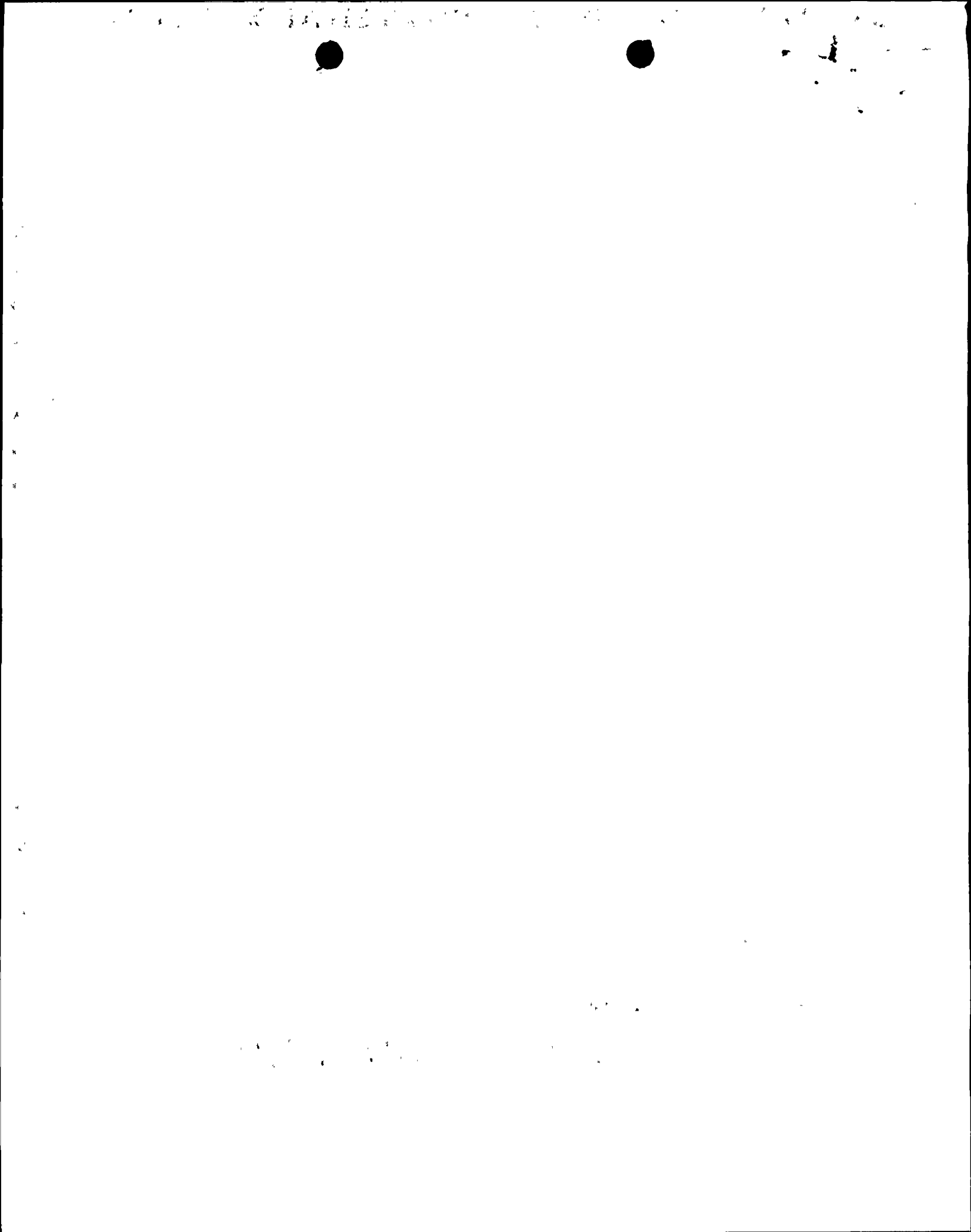
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Pacific Gas and Electric Company

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Gregory M. Rueger  
Senior Vice President and  
General Manager  
Nuclear Power Generation

July 14, 1992



PG&E Letter No. DCL-92-158

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D.C. 20555

Re: Docket No. 50-275, OL-DPR-80  
Docket No. 50-323, OL-DPR-82  
Diablo Canyon Units 1 and 2  
Use of ASME Code Case N-505

Gentlemen:

In accordance with 10 CFR 50.55a(a)(3), PG&E requests your approval to use ASME Code Case N-505 during the Unit 1 fifth refueling outage scheduled to begin in September 1992. Code Case N-505 (enclosed) was approved by the ASME Main Committee on May 8, 1992, and is currently in the final stage of approval. The code case permits the use of surface examination techniques for pressure retaining butt welds on containment electrical penetrations instead of volumetric examination techniques required by Subsection NE-5221 of the ASME Code, Section III.

Use of the code case at Diablo Canyon has been discussed with Robert J. Bosnak, Deputy Director, Division of Engineering, NRC.

Sincerely,

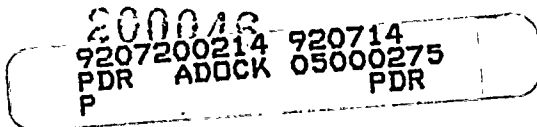
A handwritten signature in cursive script, appearing to read 'Gregory M. Rueger'. The signature is written in dark ink and is positioned above the printed name.

Gregory M. Rueger

cc: Ann P. Hodgdon  
John B. Martin  
Philip J. Morrill  
Harry Rood  
CPUC  
Diablo Distribution

Enclosure

5761S/85K/TGU/96



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*11*



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CASES OF ASME BOILER AND PRESSURE VESSEL CODE

*Approval by ASME Main Committee  
May 8, 1992*

**Case N-505**

**Alternative Rules For The Examination Of Butt Welds Used As Closure Welds For Electrical Penetration Assemblies In Containment Structures**

*Inquiry:* Under what conditions may liquid penetrant examination (NE-5350) or magnetic particle examination (NE-5340) of the root pass and completed weld be used in lieu of radiography NE-5211 for Category B full penetration butt welds used as closure welds for electrical penetration assemblies?

*Reply:* It is the opinion of the committee that surface examination of the root pass and completed weld in accordance with NE-5340 or NE-5221 for Category B Butt welds in electrical penetration assemblies be subjected to the following limitations:

- (1) The allowable stress for the weld joint shall be multiplied by a factor of 0.8.
- (2) P1 materials shall be used for construction.
- (3) For welds greater in thickness than a nominal 3/8 inch, an intermediate surface examination at approximately half the weld thickness shall be performed.
- (4) All other requirements of this Section shall be met.
- (5) This Code Case number shall be listed on the Data Report Form.

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