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UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION V  
1990 N. CALIFORNIA BOULEVARD  
SUITE 202, WALNUT CREEK PLAZA  
WALNUT CREEK, CALIFORNIA 94596

September 17, 1979

Docket Nos. 50-133  
50-275  
50-323

Pacific Gas and Electric Company  
77 Beale Street  
San Francisco, California 94105

Attention: Mr. Philip A. Crane, Jr.  
Assistant General Counsel

Gentlemen:

The enclosed Information Notice No. 79-22 provides information with regard to a potential unreviewed safety question involving high energy lines and control systems.

Sincerely,

R. H. Engelken  
Director

Enclosures:

1. Information Notice 79-22
2. List of IE Information Notices  
Issued in Last Six Months

cc w/enclosures:

W. Barr, PG&E  
W. Raymond, PG&E  
R. Ramsay, PG&E, Diablo Canyon  
J. Worthington, PG&E  
E. Weeks, PG&E, Humboldt Bay

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Accession No: 79082201 <sup>24</sup>  
SSINS: 6870

UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
OFFICE OF INSPECTION AND ENFORCEMENT  
WASHINGTON, D.C. 20555

September 14, 1979

IE Information Notice No. 79-22

QUALIFICATION OF CONTROL SYSTEMS

Public Service Electric and Gas Company notified the NRC of a potential unreviewed safety question at their Salem Unit 1 facility. This notification was based on a continuing review by Westinghouse of the environmental qualifications of equipment that they supply for nuclear steam supply systems. Based on the present status of this effort, Westinghouse has informed their customers that the performance of non-safety grade equipment subjected to an adverse environment could impact the protective functions performed by safety grade equipment. These non-safety grade systems include:

- Steam generator power operated relief valve control system
- Pressurizer power operated relief valve control system
- Main feedwater control system
- Automatic rod control system

These systems could potentially malfunction due to a high energy line break inside or outside of containment. NRC is also concerned that the adverse environment could also give erroneous information to the plant operators. Westinghouse states that the consequences of such an event could possibly be more limiting than results presented in Safety Analysis Reports, however, Westinghouse also states that the severity of the results can be limited by operator actions together with operating characteristics of the safety systems. Further, Westinghouse has recommended to their customers that they review their systems to determine whether any unreviewed safety questions exist.

This Information Notice is provided as an early notification of a possibly significant matter. It is expected that recipients will review the information for possible applicability to their facilities. No specific action or response is requested at this time. If NRC evaluations so indicate, further licensee actions may be requested or required. If you have questions regarding this matter, please contact the Director of the appropriate NRC Regional Office.

No written response to this Information Notice is required.

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