

ANSI
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IEEE
Std 317-1972

Revision of
IEEE Std 317-1971

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**IEEE Standard for
Electric Penetration Assemblies
in Containment Structures
for Nuclear Power Generating Stations**

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Electric Penetration Assemblies
in Containment Structures
for Nuclear Power Generating Stations**

Sponsor
**Joint Committee on Nuclear Power Standards
of the
IEEE Nuclear Science Group
and the
IEEE Power Engineering Society**

Approved August 20, 1973
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Foreword

(This Foreword is not a part of IEEE Std 317-1972, Electric Penetration Assemblies in Containment Structures for Nuclear Power Generating Stations.)

These criteria have been developed to facilitate the determination of the features of design, construction, and installation related to the electric penetration assemblies of the nuclear facilities that comply with the Atomic Energy Commission's Code of Federal Regulations (10 CFR 50).

Adherence to these criteria alone may not suffice for assuring the public health and safety because it is the integrated performance of the structures, the fluid systems, the instrumentation, and the electric systems of the stations that establishes the consequences of accidents. Each applicant has the responsibility to assure himself and others that this integrated performance is adequate.

The use of calculational analysis alone to qualify an electric penetration assembly design for seismic integrity has been precluded in this standard. It is not intended that this standard preclude development of such analytical techniques which, when demonstrated valid, may be allowed by a future revision to this standard.

The IEEE will maintain this document current with the state of the technology. Comments on this document and suggestions for the additional material that should be included are invited. These should be addressed to:

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