

PRECURSOR DESCRIPTION AND DATA

NSIC Accession Number: 104379

Date: July 3, 1975

Title: Earthquake Occurs at Humboldt Bay

The failure sequence was:

1. Humboldt Bay was shutdown for refueling.
2. An earthquake of .36 g occurred at the plant.
3. The plant was inspected and no damage was identified.

Corrective action:

None

Design purpose of failed system or component:

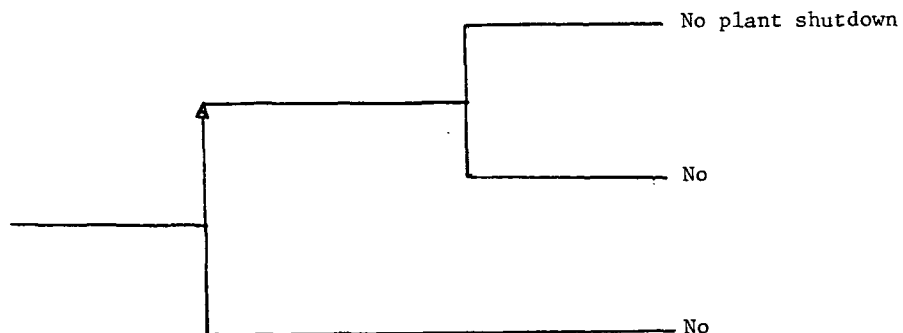
N.A.

Unavailability of system per WASH 1400:^{*} -

Unavailability of component per WASH 1400:^{*} -

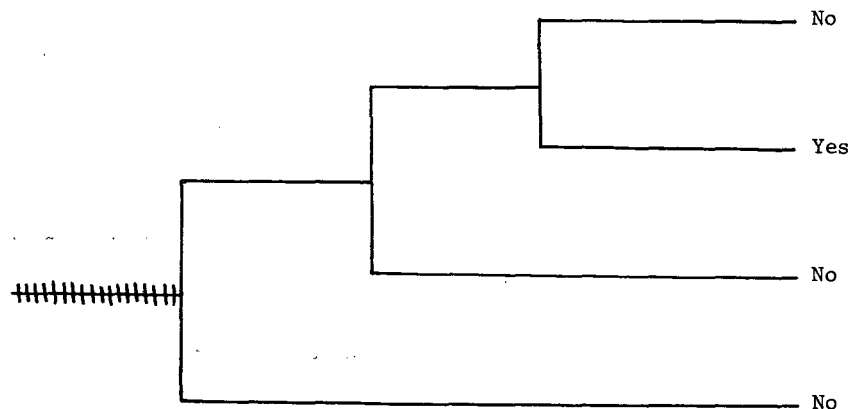
^{*}Unavailabilities are in units of per demand D^{-1} . Failure rates are in units of per hour HR^{-1} .

The Plant Was Shutdown For Refueling	A .36 g Earthquake Occurs At The Plant Site	Plant Safety Systems Damaged	Potential Severe Core Damage
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NSIC 104379 — Actual Occurrence of Earthquake Occurs at Humboldt Bay

Earthquake	Design Bases or Greater	Transients Initiated	Engineered Safety Systems Success	Potential Severe Core Damage
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CATEGORIZATION OF ACCIDENT SEQUENCE PRECURSORS

NSIC ACCESSION NUMBER: 104379

DATE OF LER: July 3, 1975

DATE OF EVENT: June 7, 1975

SYSTEM INVOLVED: N.A.

COMPONENT INVOLVED: N.A.

CAUSE: Earthquake

SEQUENCE OF INTEREST: Unique

ACTUAL OCCURRENCE: Earthquake occurs at Humboldt Bay

REACTOR NAME: Humboldt Bay

DOCKET NUMBER: 50-133

REACTOR TYPE: BWR

DESIGN ELECTRICAL RATING: 50 MWe

REACTOR AGE: 12.4 yr

VENDOR: General Electric

ARCHITECT-ENGINEERS: Bechtel

OPERATORS: Pacific Gas & Electric

LOCATION: Four miles South of Eureka

DURATION: N/A

PLANT OPERATING CONDITION: shutdown

SAFETY FEATURE TYPE OF FAILURE: (a) inadequate performance; (b) failed to start;
(c) made inoperable; (d) _____

DISCOVERY METHOD: plant transient

COMMENT: Operating basis is .25 g, the acceleration of experiment by the
plant was .36 g.