

# PRECURSOR DESCRIPTION AND DATA

NSIC Accession Number: 100415

Date: March 5, 1975

Title: All Drywell High Pressure Switches Found Isolated at Fitzpatrick

The failure sequence was:

During routine surveillance testing, an instrumentation technician discovered the rack isolation valves for drywell high pressure instruments in both trains closed. Further investigation revealed the associated root valves at the drywell penetrations were also closed. It is presumed the valves were left closed since August 1974 when the valves were supposed to be reopened following the completion of surveillance testing.

Corrective action:

1. The valves were immediately opened and locked to prevent reoccurrence of this event.
2. The root valves and other isolation valves are being added to appropriate operational and maintenance check lists.

Design purpose of failed system or component:

The high drywell pressure switches send initiation on signals to the RPS & ECCS Initiation Systems.

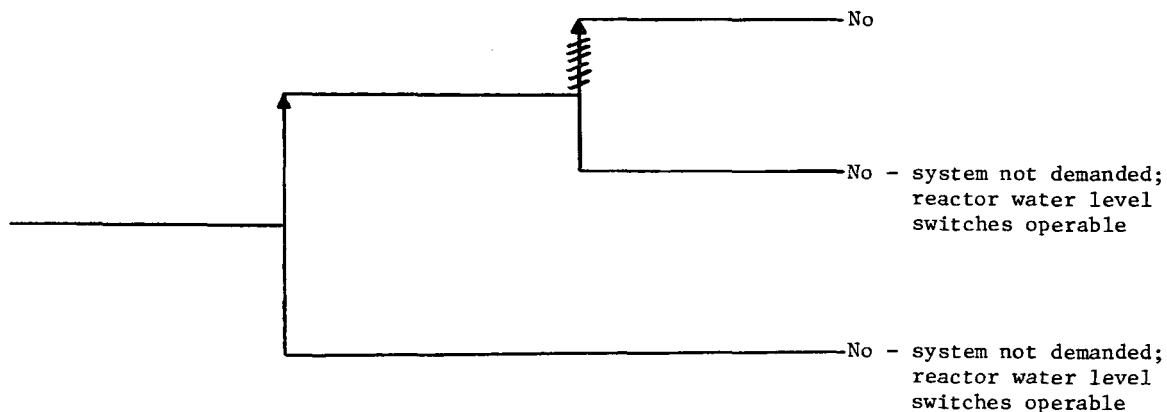
Unavailability of system per WASH 1400:\* -

Unavailability of component per WASH 1400:\*  $3 \times 10^{-3}/D$  general human error

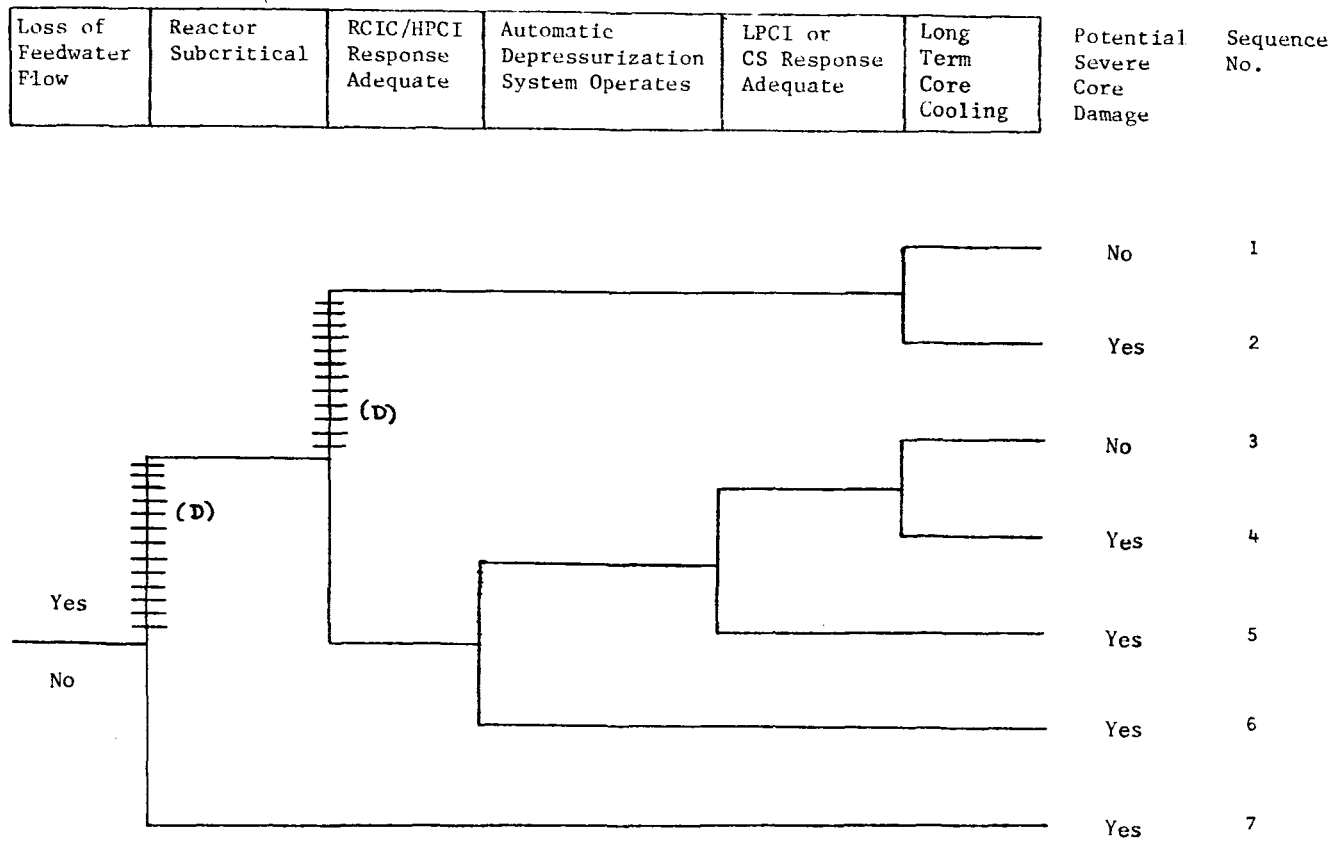
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\* Unavailabilities are in units of per demand  $D^{-1}$ . Failure rates are in units of per hour  $HR^{-1}$ .

|                                       |                                       |   |                              |
|---------------------------------------|---------------------------------------|---|------------------------------|
| Plant operating at steady state power | Routine surveillance testing underway | Tech. discovers all drywell high pressure switches valved out | Potential Severe Core Damage |
|---------------------------------------|---------------------------------------|---|------------------------------|



NSIC 100415 - Actual Occurrence of All High Pressure Switches Found Isolated at FitzPatrick



NSIC 100415 - Sequence of Interest for All Drywell Pressure Switches Found Isolated at Fitzpatrick

# CATEGORIZATION OF ACCIDENT SEQUENCE PRECURSORS

NSIC ACCESSION NUMBER: 100415

DATE OF LER: March 5, 1975

DATE OF EVENT: February 25, 1975

SYSTEM INVOLVED: reactor protection, emergency core cooling system

COMPONENT INVOLVED: drywell high pressure switch

CAUSE: human error

SEQUENCE OF INTEREST: loss of feedwater

ACTUAL OCCURRENCE: all drywell high pressure switches found isolated at Fitzpatrick

REACTOR NAME: Fitzpatrick

DOCKET NUMBER: 50-333

REACTOR TYPE: BWR

DESIGN ELECTRICAL RATING: 821 MWe

REACTOR AGE: .3 yr

VENDOR: General Electric

ARCHITECT-ENGINEERS: Stone & Webster

OPERATORS: Power Authority of the state of New York

LOCATION: 8 miles NE of Oswego, NY

DURATION: 5110 hours

PLANT OPERATING CONDITION: steady state operating conditions

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

DISCOVERY METHOD: surveillance testing

COMMENT: The switches were inoperable for more than 6 months.