

PRECURSOR DESCRIPTION AND DATA

NSIC Accession Number: 86990

Date: November 17, 1973

Title: Loss of Incoming Power at Nine Mile Point from a Worker Bumpng a Relay

The failure sequence was:

1. The reactor was shutdown for an AEC operator's examination involving a critical demonstration.
2. After the reactor was shutdown, breaker R40 was opened to facilitate line work on the 115 Kv line, breaker R10, the remaining 115 kV line, was closed and the station was operating on reserve power supplied by this line.
3. A plant electrician working in the auxiliary control room bumped a relay which caused relay 9 and 5 to de-energize thus trapping the remaining 115 kV line.
4. The plant remained without offsite power for 10 seconds until break R10 was reclosed.

Corrective action:

The R10 breaker was reclosed within 10 seconds.

Design purpose of failed system or component:

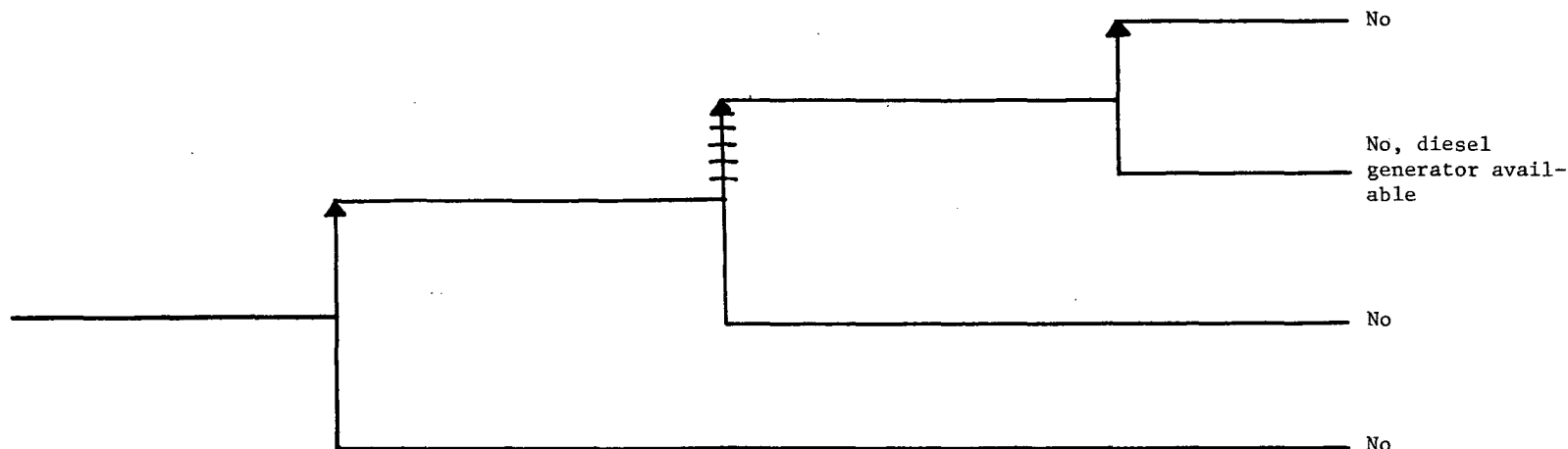
Offsite power supplies house loads when the generator is down.

Unavailability of system per WASH 1400: * LOP: $2 \times 10^{-5}/\text{Hr}$

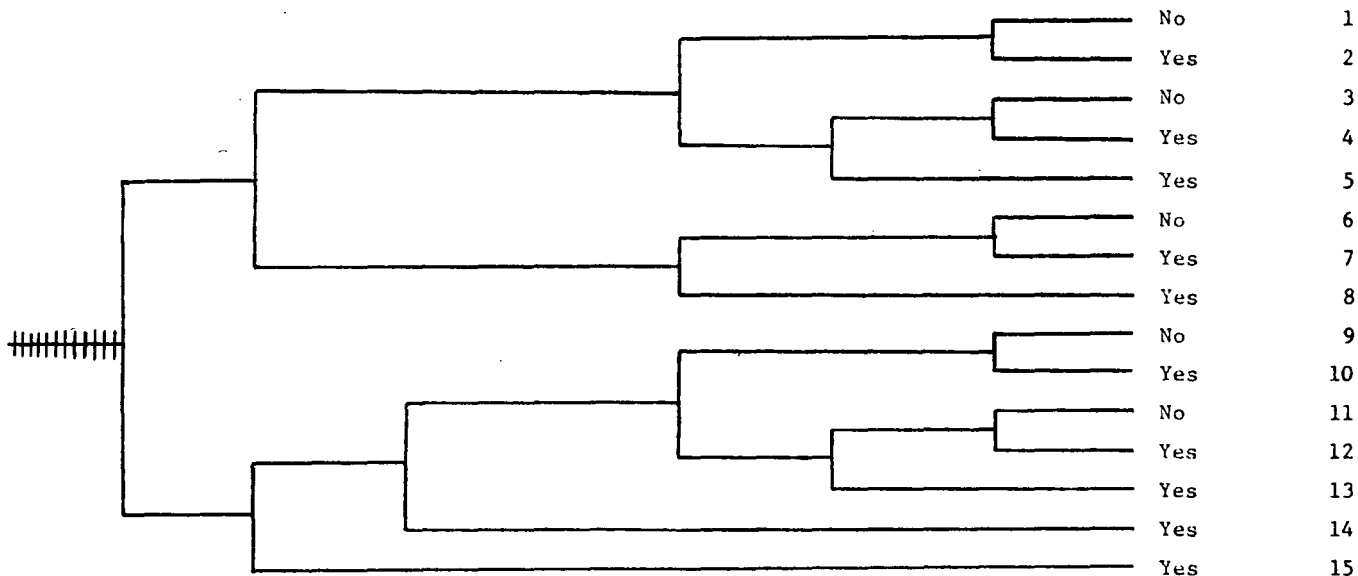
Unavailability of component per WASH 1400: * -

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

The Reactor Was Shutdown For AEC Operator Examination	The R40 Breaker Was Open To Facilitate Work On The 115 kv Line. Power Was Supplied Through The Remaining 115 kv Line	An Electrician Bumped A Relay Causing The Remaining 115 kv Line To Trip	The Breaker Was Reclosed And Power Was Restored Within 10 Sec	Potential Severe Core Damage
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Loss of Offsite Power	Reactor Scram	Diesel Start and Load	Reactor Made Sub- critical by the SBLCS Or Rods Are Manually Driven In	RCIC/HPCI Initiates	ADS/LPCI CS Initiates	Long Term Core Cooling	Potential Severe Core Damage	Sequence No.
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NSIC 86990 — Sequence of Interest of Loss of Incoming Power of Nine Mile Point from Worker Bumping Relay

CATEGORIZATION OF ACCIDENT SEQUENCE PRECURSORS

NSIC ACCESSION NUMBER: 86990

DATE OF LER: November 21, 1973

DATE OF EVENT: November 11, 1973

SYSTEM INVOLVED: Offsite power

COMPONENT INVOLVED: Breakers

CAUSE: Operator

SEQUENCE OF INTEREST: Loss of Offsite Power

ACTUAL OCCURRENCE: Loss of Incoming

REACTOR NAME: Nine Mile Point

DOCKET NUMBER: 220

REACTOR TYPE: BWR

DESIGN ELECTRICAL RATING: 72 MWe

REACTOR AGE: 5.2 yr

VENDOR: General Electric

ARCHITECT-ENGINEERS: Bechtel

OPERATORS: Consumer Power Corporation

LOCATION: Eight miles NE of Oswego, NY

DURATION: N/A

PLANT OPERATING CONDITION: just critical

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

DISCOVERY METHOD: Operational transient

COMMENT: A station blackout loop