

PRECURSOR DESCRIPTION AND DATA

NSIC Accession Number: 65757

Date: June 30, 1971

Title: Loss of Offsite Power at Point Beach 1 (Semi-Annual Operations Report for January-June, 1971)

The failure sequence was:

1. With the reactor at hot standby during an ice storm, breakers on all three high lines opened (reason unspecified).
2. A reactor trip occurred.
3. Both diesel generators started and supplied safety-related loads.
4. In view of the continuing storm conditions, the reactor coolant system was borated to the cold shutdown level and cooled down to 300°F.

Corrective action:

The unit was returned to power two days after the event.

Design purpose of failed system or component:

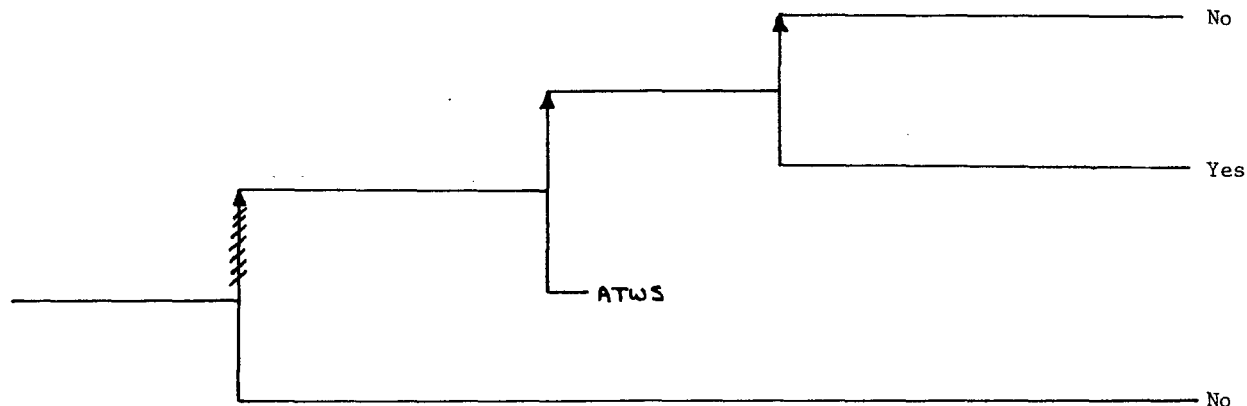
Offsite power is the preferred source of power to safety related loads when the unit generator is not producing power.

Unavailability of system per WASH 1400:* Loss of offsite power: $2 \times 10^{-5}/\text{hr}$

Unavailability of component per WASH 1400:* N/A

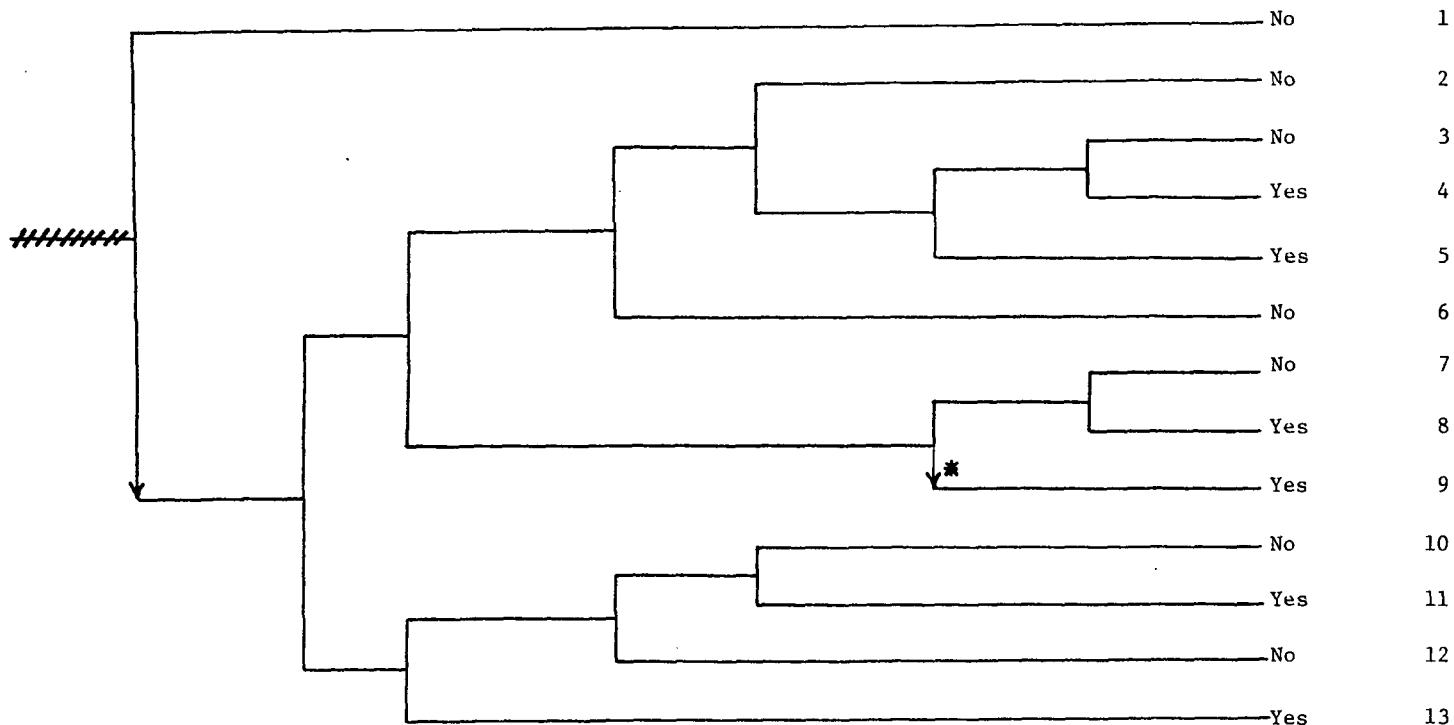
*Unavailabilities are in units of per demand D^{-1} . Failure rates are in units of per hour HR^{-1} .

Reactor at Hot Standby During an Ice Storm	Breakers on all Three Highlines Open (Reason Unspecified)	Reactor Trip	Diesel Generators Start and Assume Safety Related Loads	Potential Severe Core Damage
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NSIC 65757 — Actual Occurrence for Loss of Offsite Power at Point Beach 1.

Loss of Offsite Power	Turbine Generator Runs Back and Assumes House Loads	Emergency Power	Auxiliary Feedwater and Secondary Heat Removal	PORV Demanded	PORV or PORV Isolation Valve Closure	High Pressure Injection	Long Term Core Cooling	Potential Severe Core Damage	Sequence No.
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NSIC 65757 — Sequence of Interest for Loss of Offsite Power at Point Beach 1

*Not included in operating procedures

CATEGORIZATION OF ACCIDENT SEQUENCE PRECURSORS

NSIC ACCESSION NUMBER: 65757

DATE OF LER: June 30, 1971

DATE OF EVENT: February 5, 1971

SYSTEM INVOLVED: Offsite power

COMPONENT INVOLVED: Highline breakers

CAUSE: Opened (reason unspecified)

SEQUENCE OF INTEREST: Loss of offsite power

ACTUAL OCCURRENCE: Loss of offsite power

REACTOR NAME: Point Beach 1

DOCKET NUMBER: 50-266

REACTOR TYPE: PWR

DESIGN ELECTRICAL RATING: 497 MWe

REACTOR AGE: .26 yr

VENDOR: Westinghouse

ARCHITECT-ENGINEERS: Bechtel

OPERATORS: Wisconsin Electric Power Co.

LOCATION: 15 miles north of Manitowoc, Wisc.

DURATION: N/A

PLANT OPERATING CONDITION: Hot standby

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

DISCOVERY METHOD: Operational event

COMMENT: