

PRELIMINARY NOTIFICATION

Date: November 13, 1980

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE--PNO-III-80-214

This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. The information presented is as initially received without verification or evaluation and is basically all that is known by IE staff as of this date.

Facility: Toledo Edison Company
Davis-Besse 1 (Docket No. 50-346)
Oak Harbor, OH

Subject: REACTOR TRIP CAUSED BY LOSS OF ESSENTIAL BUS Y2

At 2:02 p.m. (EST) on November 12, 1980 while at approximately 40% power the unit experienced a reactor trip on high reactor coolant system (RCS) pressure. At the time of the trip an I&C technician was performing a test of equipment powered by essential instrument bus Y2. It appears that the test equipment was connected in the wrong configuration causing the output fuse of inverter YV2 to blow. The loss of 120V essential bus Y2 caused the integrated control system to rapidly decrease feedwater flow due to the loss of the RCS flow signal. The rapid reduction in feedwater flow resulted in steam generator low levels and a trip of the steam feedwater rupture control system. The number 2 steam generator level control signal to the auxiliary feedwater pump failed mid scale due to the loss of essential instrument bus Y2. The operators noticed that the other level indicator for the No. 2 steam generator was reading 10 inches and they manually increased the speed of the auxiliary feedwater pump to increase the level. Manual control of S/G 2 level continued until bus Y2 was restored. Following completion of an investigation the unit went critical at 5:15 a.m. on November 13, 1980. As of 9:00 a.m. (EST) the unit was at 10% power for heatup of the turbine.

At the present time neither the licensee nor the NRC plan to issue a press release; however, Region III will respond to public and media questions should they arise.

The State of Ohio is being notified.

The event was reported to the NRC per 10 CFR 50.72 the afternoon of November 12, 1980. At that time both resident inspectors were in Region III for a SALP board. Since then the resident has reviewed the event onsite. This information is current as of 11:00 a.m. (EST) November 13, 1980.



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