

TOLEDO EDISON COMPANY
DAVIS-BESSE NUCLEAR POWER STATION UNIT ONE
SUPPLEMENTAL INFORMATION FOR LER NP-32-80-03

DATE OF EVENT: March 25, 1980

FACILITY: Davis-Besse Unit 1

IDENTIFICATION OF OCCURRENCE: Action Statement verification of flux- Δ flux flow was not completed within four hours of manual shutdown of a reactor coolant pump

Conditions Prior to Occurrence: The unit was in Mode 1, with Power (MWT) = 1800, and Load (Gross MWE) = 600.

Description of Occurrence: On March 23, 1980 at 1720 hours, the Technical Specification 3.4.1 (2.2.1) action statement deadline passed before the Reactor Protection System (RPS) flux/delta flux/flow trip setpoints could be verified to be properly reset. This verification was necessary following the manual shutdown of Reactor Coolant Pump (RCP) 1-1 which was experiencing seal problems. When the RPS setpoint was checked per ST 5030.18, it verified that there had been an automatic reset of the flux/delta flux/flow trip setpoints. However, the reset was slightly non-conservative. This required a readjustment which was not completed until 1940 hours on March 23, 1980. This meant the station had operated for two hours and twenty minutes beyond action statement deadline with a trip setpoint for a limiting condition for operation slightly non-conservative.

On March 25, 1980, this event was determined to be immediately reportable under Technical Specification 6.9.1.8.b as the operation of the unit with a parameter or operation subject to a limiting condition for operation less conservative than the least conservative aspect of the limiting condition for operation established in the technical specification.

Verbal notification was made to Luis Reyes (NRC on-site inspector) at 1130 hours on March 25, 1980 by Terry Murray (Station Superintendent). A confirming letter was telecopied to NRC Region III at 0940 hours on March 26, 1980.

Designation of Apparent Cause of Occurrence: The cause of this occurrence is attributed to a combination of events which caused the technical specification action statement deadline to be exceeded. The first problem was the feedwater swings that occurred when RCP 1-1 was stopped. The unit then had to be stabilized before the shift foreman could permit instrument and control personnel to start their verification of the new RPS trip setpoints. The RPS hi flux trip setpoint verification was started one hour, twenty minutes after RCP 1-1 was stopped and took one hour and eleven minutes to complete.

The next problem was that power was returned to 70% following the reduction made during the feedwater swings before the shift foreman called instrument and control personnel back to do the flux/delta flux/flow readjustments. By the time they started, there was only about a half hour left to verify and readjust the four channels before

the action statement deadline passed. It then took 2 hours and 48 minutes to complete.

Another problem was that the ST 5030.18, Check of RPS Flux/ Δ Flux/Flow Bistable Setpoint procedure was new and completion required more time than expected to complete. The technicians that did the work were qualified but did not have any previous experience with the procedure.

Analysis of Occurrence: There was no danger to the health and safety of the public or to station personnel. The RPS did reset the trip bistables to reflect the change to three pump operation. The settings were out of tolerance by less than 1%. The flux trip setpoints were verified properly reset within the action statement deadline.

Corrective Action: On March 23, 1980 at 1940 hours, the flux/delta flux/flow trip setpoint readjustments were completed. This removed the station from the action statement of Technical Specification 3.4.1. The station is now in three RCP operation and will remain in such until the refueling outage beginning in April, 1980. A technical specification change will become effective with this new fuel load which will raise the operating limit for three pump operation from 78.3 to 80.2 percent full reactor power.

This means the RPS automatic reset will be conservative and this should eliminate the need for readjustment which will make it easier to comply with the action statement.

Failure Data: This is the first time the station was unable to verify and readjust RPS trip setpoints within the action statement deadline.

LER #80-019