

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)80CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)803080308030

CPD 917-926

TOLEDO EDISON COMPANY
DAVIS-BESSE NUCLEAR POWER STATION UNIT ONE
SUPPLEMENTAL INFORMATION FOR LER NP-33-80-35

DATE OF EVENT: March 30, 1980

FACILITY: Davis-Besse Unit 1

IDENTIFICATION OF OCCURRENCE: Fluctuating Indication on the Absolute Position Indication (API) for Control Rod Group 5-11

Conditions Prior to Occurrence: The unit was in Mode 1, with Power (MWT) = 305, and Load (Gross MWE) = 0.

Description of Occurrence: On March 30, 1980 at 0940 hours, Control Rod Group 5, Rod 11 API was declared inoperable due to fluctuating signals which caused numerous "asymmetric rod" alarms. This placed the unit in the action statement of Technical Specification 3.1.3.3 which requires the position of the control rod and its group be periodically verified and maintained at one of the zone reference positions. The rod position was verified at its 100% withdrawn position per the action statement, and the rod position indication was placed in asymmetric bypass.

Designation of Apparent Cause of Occurrence: The exact cause of this occurrence is still undetermined. The problems appear to be somewhere in the containment electrical penetration and in the position indication assembly. Investigation is continuing at this time.

Analysis of Occurrence: There was no danger to the health and safety of the public or to station personnel. The rod did not vary from its intended position, only the API was faulty.

Corrective Action: During the last shutdown in March, 1980, a section of the position indication (PI) cable was replaced from the top of the PI assembly to the bulkhead for Control Rod Group 5 Rod 11. This was accomplished under Maintenance Work Order 80-1930, and done as a continuing corrective action for the similar occurrences reported under the previous Licensee Event Reports NP-33-79-141, NP-33-80-07 and NP-33-80-21.

Data collected under Maintenance Work Order 80-1551 from test connections installed under Facility Change Request 79-424 is still being evaluated by Toledo Edison and vendor personnel.

During the upcoming refueling outage, starting in April, 1980, the present "C" style position indication system will be changed to a new redundant absolute position indication "4Rc" system (Facility Change Request 79-413). At this time, the PI tubes and associated cabling will be replaced.

Failure Data: There have been previous failures of control rod APIs. Control Rod Group 5 Rod 11's current symptoms were reported in Licensee Event Reports NP-33-79-141 (79-116), NP-33-80-07 (80-004), and NP-33-80-21 (80-015).