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(NP-33-81-50) On 7/22/81 while reviewing ST 5071.01 conducted 7/17/81, it was determined that the speed switch for the Auxiliary Feedwater (AFW) Pump 1-2 discharge valve AF-388 was opening at an actual 3600 RPM rather than the intended setpoint of 2800 RPM. AFW Pump 1-2 was declared inoperable, and the unit entered the action statement of Technical Specification 3.7.1.2. There was no danger to the health and safety of the public or station personnel. AFW Train 1 was operable at the time of the occurrence.																			
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The cause was a lack of procedural guidance. The speed element probe was removed during the replacement of the governor and was not readjusted. Under Maintenance Work Order IC-525-81, the speed probe was adjusted. ST 5071.01 was performed successfully, and AFW Pump 1-2 was declared operable on 7/23/81. Proper guidance will be included in a procedure covering governor replacements.																			
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TOLEDO EDISON COMPANY  
DAVIS-BESSE NUCLEAR POWER STATION UNIT ONE  
SUPPLEMENTAL INFORMATION FOR LER NP-33-81-50

DATE OF EVENT: July 22, 1981

FACILITY: Davis-Besse Unit 1

IDENTIFICATION OF OCCURRENCE: Auxiliary Feedwater (AFW) Pump 1-2 speed element probe out of adjustment

Conditions Prior to Occurrence: The unit was in Mode 1 with Power (MWT) = 2758 and Load (Gross MWE) = 913

Description of Occurrence: On July 22, 1981 while reviewing ST 5071.01, the AFW System Monthly Test conducted July 17, 1981, it was determined that the speed switch for the AFW Pump 1-2 discharge valve, AF-388, was not actuating at the desired setpoint. The indicated pump speed, as determined by the local speed indicator, SI-816A, was 2800 RPM. The actual pump speed, however, was determined to be 3600 RPM using a hand tachometer. Therefore, AF-388 was actually opening at 3600 RPM rather than at the intended setpoint of 2800 RPM. The concern is that the indicated speed at which the discharge valve will open may not be reached if the AFW Pump Turbine reaches its high speed limit first. Because of the uncertainty involved in the proper operation of the discharge valve AF-388, AFW Pump 1-2 was declared inoperable. This placed the unit in the action statement of Technical Specification 3.7.1.2, which states that two independent steam generator auxiliary pumps and their associated flowpaths shall be operable while in Modes 1, 2, and 3.

Designation of Apparent Cause of Occurrence: The cause of the occurrence was lack of procedural guidance. The speed element probe, located in the governor housing of AFW Pump 1-2, was removed during the replacement of the governor, and was not readjusted. The speed element provides input through a transmitter to the indicator SI-816A. This indicator then causes the speed switches to actuate at the desired setpoint which opens AF-388.

Analysis of Occurrence: There was no danger to the health and safety of the public or to station personnel. AFW Train 1 was operable at the time of the occurrence.

Corrective Action: The speed probe was readjusted under Maintenance Work Order IC-525-81. ST 5071.01 was performed successfully, and AFW Pump 1-2 was declared operable on July 23, 1981. Proper guidance on adjusting the speed switch will be included in a procedure being written to cover governor replacements.

Failure Data: There have been no previous occurrences of this type.

LER #81-040