



TOLEDO EDISON COMPANY  
DAVIS-BESSE NUCLEAR POWER STATION UNIT ONE  
SUPPLEMENTAL INFORMATION FOR LER NP-33-81-64

DATE OF EVENT: September 9, 1981

FACILITY: Davis-Besse Unit 1

IDENTIFICATION OF OCCURRENCE: Post-Accident Containment Radiation Monitor RE 5029 pump failed

Conditions Prior to Occurrence: The unit was in Mode 1 with Power (MWT) = 2770 and Load (Gross MWE) = 909.

Description of Occurrence: At 0200 hours on September 9, 1981, an operator found RE 5029 pump not operating. The operator attempted to restart the pump, and it tripped on low flow. There was no reduction in power due to this occurrence as RE 5030, the redundant containment post-accident radiation monitor, was operable at the time. The station entered the action statement of Technical Specification 3.3.3.6.a, requiring that the inoperable radiation monitor be repaired within 30 days or the unit be in hot shutdown within the next 12 hours.

Designation of Apparent Cause of Occurrence: The cause of the occurrence was component failure. The required changeout frequency of the pump had not yet been determined prior to this occurrence due to the recent design changes on the pump. Facility Change Request (FCR) 78-521 changed the size of the sheaves to slow down the pump speed, FCR 78-159 changed the motor bearings to a heavier duty bearing and also the use of a high temperature grease for the bearings was initiated.

Analysis of Occurrence: There was no danger to the health and safety of the public or to station personnel. There was no event during this period which required the use of post-accident monitoring instrumentation, and RE 5030 was operable.

Corrective Action: Maintenance Work Order 81-3383 was issued to replace the pump in RE 5029. This maintenance work order is the preventive maintenance work order to changeout the pumps periodically. Maintenance Work Order 81-3434 was issued to rebuild the old pump removed from RE 5029, and it was found to have had its seals worn out. RE 5029 was declared operable at 0235 hours on September 10, 1981. The preventive maintenance work order was rewritten to provide for a pump changeout once every six months.

Failure Data: A similar failure was reported on RE 5030 in Licensee Event Report NP-33-81-49 (81-043).

LER #81-054