

TOLEDO EDISON COMPANY
DAVIS-BESSE NUCLEAR POWER STATION UNIT ONE
SUPPLEMENTAL INFORMATION FOR LER NP-33-79-144

DATE OF EVENT: December 8, 1979

FACILITY: Davis-Besse Unit 1

IDENTIFICATION OF OCCURRENCE: The #1 Component Cooling Water Pump was declared inoperable

Conditions Prior to Occurrence: The unit was in Mode 5, with Power (MWT) = 0, and Load (Gross MWE) = 0.

Description of Occurrence: On December 6, 1979, operations personnel attempted to start Component Cooling Water (CCW) Pump #1 for routine pump switching. When the pump did not start from the Control Room, maintenance and instrument and control personnel were called in for investigation.

The investigation found that the breaker was the cause of the problem, and the pump was declared inoperable at 2300 hours on December 8, 1979.

This occurrence is being reported to document a component failure. Technical Specification 3.7.3.1 requires two independent CCW loops to be operable in Modes 1 through 4. Since the plant was in Mode 5, and CCW Pumps #2 and #3 were operable, no action statement was entered.

Designation of Apparent Cause of Occurrence: The apparent cause of the occurrence was the failure of breaker AC113 on essential switchgear bus "C1" to close. Further investigation did not pinpoint the cause. A check of connections showed that none were loose. Since the only other action taken was to clean all contacts, it appears that dirty contacts was the cause of the problem.

Analysis of Occurrence: There was no danger to the health and safety of the public or to station personnel. The subject pump is redundant in the CCW System. CCW Pumps #2 and #3 were available for service at this time.

Corrective Action: The breaker was removed from the cubicle and a spare was installed on December 15, 1979 under Maintenance Work Order (MWO) 79-3723 and the #1 CCW Pump was returned to service on December 15, 1979. During further investigation, the failed breaker was checked for loose connections. All contacts were cleaned. It was internally and externally scheme checked. No abnormalities were found. The breaker was placed in a test stand, in a spare cubicle and finally returned to its original cell. It was cycled several times in each location, and each time it operated properly.

A preventive maintenance program is ongoing during this refueling outage to clean and troubleshoot all breakers. Also, the cutout switches on all 4160V breakers are being replaced to improve breaker performance (this includes AC113).

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Failure Data: There have been no previous similar reportable occurrences.

LER #79-124