

TOLEDO EDISON COMPANY
DAVIS-BESSE NUCLEAR POWER STATION UNIT ONE
SUPPLEMENTAL INFORMATION FOR LER NP-33-82-44

DATE OF EVENT: August 14, 1982 (determined to be reportable August 26, 1982)

FACILITY: Davis-Besse Unit 1

IDENTIFICATION OF OCCURRENCE: Defective anchor bolt found on one of the Diesel Generator (DG) Day Tank 1-1 saddle type support

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

Description of Occurrence: On August 14, 1982 while adding filler pieces to the slotted holes on the DG Day Tank saddle type supports per Facility Change Request 80-059, a 3/4" anchor bolt on DG 1-1 Day Tank saddle was found to be defective. The bolt broke while the nut was being removed. This bolt was one of two bolts anchoring one of two Day Tank 1-1 saddle base plates to the floor.

An analysis performed by Bechtel Associates received August 26, 1982, has determined that the remaining anchor bolts would not have been overstressed during normal operating loads. However, the remaining bolts would have been overstressed during a seismic event. Technical Specification 3.8.1.7b requires that two emergency diesel generators shall be operable along with their associated day tanks, fuel storage system and fuel transfer pump in Modes 1 through 4. Since the station was in Mode 5 at the time of discovery of this occurrence, the action statement was not entered. This event is being reported to document a component failure which may have existed in a mode when both Diesel Generators were required by Technical Specifications.

Designation of Apparent Cause of Occurrence: The cause of this occurrence is attributed to an original construction installation error. The presence of original paint and rust on the cross sectional surface where the bolt sheared, indicates that the bolt was defective when initially installed.

Analysis of Occurrence: There was no danger to the health and safety of the public or to station personnel. The operability of Diesel Generator 1-1 would not have been degraded due to a defective anchor bolt on its Day Tank saddle under normal conditions. Under a seismic event, Diesel Generator 1-2 would have been available.

Corrective Action: Maintenance Work Order 80-059-01 was written to replace the defective bolt. The work was completed August 15, 1982 at 1600 hours. The remaining bolts on Diesel Generator Day Tank 1-1 and the bolts on Diesel Generator Day Tank 1-2 were checked under Maintenance Work Order 82-2239 to assure that no other bolts were defective and that the torque requirements for these bolts were being met. The check showed the remaining bolts to be intact and properly installed.

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