

Date April 17, 1986

This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. The information is as initially received without verification or evaluation, and is basically all that is known by the Region III staff on this date.

Facility: Toledo Edison Company
Davis Besse Nuclear Plant
Oak Harbor, OH 43449

Docket No: 50-346

Licensee Emergency Classification:
☐ Notification of an Unusual Event
☐ Alert
☐ Site Area Emergency
☐ General Emergency
☒ Not Applicable

Subject: APPARENT CRACK INDICATIONS IN REACTOR COOLANT PUMP SHAFTS (SECOND UPDATE)

The licensee has removed the shaft/impeller assembly from reactor coolant pump 2-1, and sent it to Babcock and Wilcox's Research Center in Lynchburg, Virginia, for analysis. A spare shaft has been installed in the pump, and the licensee intends to resume its testing activities. When the testing program is completed, all four pump shafts (including the newly installed spare shaft) will be replaced with shafts having a modified design. (The replacement schedule, as previously reported, will delay plant startup until mid-October 1986.)

During preliminary ultrasonic examination of the shaft/impeller assembly at Babcock and Wilcox on April 16, 1986, the four bolts connecting the shaft and impeller were found to be flawed. Two bolts were described as being cracked and two as being fractured. The flaws appear to be similar to those observed in the reactor coolant pump bolts at the Crystal River Nuclear Power Station.

A specialist from the Office of Inspection and Enforcement will be at Babcock and Wilcox beginning April 21, 1986, to monitor the examination and testing of the shaft.

The State of Ohio will be informed of this updated information.

Region III (Chicago) was notified of the Babcock and Wilcox findings by the Senior Resident Inspector at 11:30 a.m., April 17, 1986. This information is current as of 3 p.m. (CST).

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