

LICENSEE EVENT REPORT

CONTROL BLOCK: (PLEASE PRINT OR TYPE REQUIRED INFORMATION)

0 1 | 0 | H | D | B | S | 1 | 2 | 0 | 0 | - | 0 | 0 | N | P | F | - | 0 | 3 | 3 | 4 | 1 | 1 | 1 | 1 | 4 | 5

0 1 | 8 | REPORT SOURCE | L | 6 | 0 | 5 | 0 | - | 0 | 3 | 4 | 6 | 7 | 1 | 2 | 0 | 6 | 7 | 7 | 3 | 1 | 2 | 2 | 2 | 7 | 7 | 9

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)
At 1741 hours on 12/6/77 and 0237 hours on 12/7/77, two 345 KV air circuit breakers on "K" Bus tripped due to a fault on the Ohio Edison Beaver Line. This de-energized 02 Startup Transformer and placed the unit in the Action Statement of Tech Spec 3.8.1.1. There was no danger to the health and safety of the public or to unit personnel. At the time of the occurrence, the unit was on the Auxiliary Transformer and not on the Startup Transformers. (NP-33-77-106)

0 9 | SYSTEM CODE | E | A | 11 | CAUSE CODE | C | 12 | CAUSE SUBCODE | Z | 13 | COMPONENT CODE | Z | Z | Z | Z | Z | Z | 14 | COMP. SUBCODE | Z | 15 | VALVE SUBCODE | Z | 16 | LER/RO REPORT NUMBER | 17 | EVENT YEAR | 7 | 7 | SEQUENTIAL REPORT NO. | 1 | 0 | 6 | OCCURRENCE CODE | 0 | 3 | REPORT TYPE | L | REVISION NO. | 0 | ACTION TAKEN | K | 18 | FUTURE ACTION | Z | 19 | EFFECT ON PLANT | Z | 20 | SHUTDOWN METHOD | Z | 21 | HOURS | 0 | 0 | 0 | 22 | ATTACHMENT SUBMITTED | Y | 23 | NPRO-4 FORM SUB. | N | 24 | PRIME COMP. SUPPLIER | Z | 25 | COMPONENT MANUFACTURER | Z | Z | Z | Z | 26

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)
The cause of this occurrence has been attributed to "galloping conductors" on the transmission line which caused a trip of two 345 KV air circuit breakers in the switchyard. The Load Dispatcher opened the air break switch and reclosed the two 345 KV air circuit breakers which re-energized "K" Bus from the Toledo Edison Company Bay Shore Line.

1 5 | FACILITY STATUS | E | 23 | % POWER | 0 | 4 | 0 | 29 | OTHER STATUS | NA | 30 | METHOD OF DISCOVERY | A | 31 | NA | DISCOVERY DESCRIPTION | 32

1 6 | ACTIVITY CONTENT RELEASED OF RELEASE | Z | 33 | Z | 34 | NA | AMOUNT OF ACTIVITY | 35 | NA | LOCATION OF RELEASE | 36

1 7 | PERSONNEL EXPOSURES NUMBER | 0 | 0 | 0 | 37 | TYPE | Z | 38 | DESCRIPTION | NA | 39

1 8 | PERSONNEL INJURIES NUMBER | 0 | 0 | 0 | 40 | DESCRIPTION | NA | 41

1 | LOSS OF OR DAMAGE TO FACILITY TYPE | Z | 42 | DESCRIPTION | NA | 43

2 0 | PUBLICITY ISSUED | N | 44 | DESCRIPTION | NA | 45

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TOLEDO EDISON COMPANY  
DAVIS-BESSE UNIT ONE NUCLEAR POWER STATION  
SUPPLEMENTAL INFORMATION FOR LER NP-33-77-106

DATE OF EVENT: December 6 and 7, 1977

FACILITY: Davis-Besse Unit 1

IDENTIFICATION OF OCCURRENCE: Loss of O2 Startup Transformer due to fault on the Ohio Edison Beaver Line

Conditions Prior to Occurrence: The unit was in Mode 1, with Power (MWT) = 1100 and Load (MWE) = 365.

Description of Occurrence: At 1741 hours on December 6, 1977 and 0237 hours on December 7, 1977, two 345 KV air circuit breakers on "K" Bus tripped due to a fault on the Ohio Edison Beaver Line. This de-energized O2 Startup Transformer and placed the unit into the Action Statement of Technical Specification 3.8.1.1 since one of the 345/13.8 KV Startup Transformers was de-energized.

Designation of Apparent Cause of Occurrence: The cause of this occurrence has been attributed to "galloping conductors" on the transmission line. "Galloping conductors" is a movement of transmission lines caused by high winds and ice buildup on the transmission lines. This caused the protective relaying scheme to trip two 345 KV air circuit breakers in the switchyard.

Analysis of Occurrence: There was no danger to the health and safety of the public or to unit personnel. At the time of the occurrence, the unit was on the Auxiliary Transformer, and not on the Startup Transformers. Also, there was two 345 KV transmission lines, one 345/13.8 KV Startup Transformers and two 13.8 KV Buses operable with two independent diesel generators to provide AC power.

Corrective Action: At 1742 hours on December 6, 1977 and 0237 hours on December 7, 1977, the Load Dispatcher opened the air break switch which cleared the Beaver Line from "K" Bus and at 1743 hours on December 6, 1977 and 0238 hours on December 7, 1977, reclosed the two 345 KV air circuit breakers which re-energized "K" Bus from the Toledo Edison Company Bay Shore Line. This removed the unit from the Action Statement of Technical Specification 3.8.1.1. The Transmission and Substation Engineering Division is continuing to study and test proposed resolutions to the "galloping conductors" problem.

Failure Data: No previous similar events have occurred.

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