NRC FORM 366 U. S. NUCLEAR REGULATORY COMMISSION (7.77) LICENSEE EVENT REPORT CONTROL BLOCK: (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION) - Ø Ø N P F 01 H D B S 3 3 4 ON'T REPORT 0 1 5 0 - 0 3 4 6 7 0 1 3 0 7 9 8 0 2 2 6 7 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE L (6) Ø SOURCE EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10) | While conducting surveillance testing, it was determined that Photoelectric Smoke 0 2 0 3 Detector DS 8605-E in the Emergency Diesel Generator 1-1 area was not functional. DS 8605-E was declared inoperable at 1600 hours on 1/30/79 which placed the unit in 0 4 0 5 the Action Statement of Tech Spec 3.3.3.8. A fire watch patrol was established and was maintained until the detector was declared operable. The four other area photo-0 6 electric detectors in this open room were operable . (NP-33-79-22) 0 7 0 8 9 SYSTEM CAUSE CAUSE COMP CODE COMPONENT CODE SUBCODE B EI E (13) NSTRU E|(15 (16) SEQUENTIAL OCCURRENCE REVISION REPORT CODE REPORT NO LER/RO (17)REPORT 0111 7 013 1 NUMBER ACTION NPRD-4 FUTURE SHUTDOWN PRIME COMP COMPONENT (22 HOURS ANUFACTURER ZI 1010 Ζ A 18) CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27) The failure of Photoelectric Detector DS 8605-E was the cause of the occurrence. 10 fire watch patrol was maintained in the area, and a new detector was ordered. The 11 new detector was installed under Maintrucice Work Order I&C 013-005-79 and retested 1 2 satisfactorily at 1529 hours on February 28, 1979, removing the unit from the Action Statement of Technical Specification 3.3.3.9 1 4 80 METHOD OF FACILITY OTHER STATUS (30) % POWER DISCOVERY DESCRIPTION (32) B (31) Surveillance Test ST 5016.04 E (28 91 2 NA 1 5 80 CONTENT ACTIVITY AMOUNT OF ACTIVITY (35) LOCATION OF RELEASE (36) ASED OF RELEASE Z (33) Z (34) NA 1 6 NA 1.1 80 PERSONNEL EXPOSURES DESCRIPTION (39) NUMBER Z (38 10 10 NA 1 7 80 PERSONNEL INJURIES DESCRIPTION (41) NUMBER Ø Ø NA 1 8 80 LOSS OF OR DAMAGE TO FACILITY DESCRIPTION NA 1 9 (42) 7903270479 PUBLICITY NRC USE ONLY DESCRIPTION (45) SUED IN 44 NA 2 0 68 69 VR 79-026 419-259-5000, Ext. 274 Richard C. Chesko NAME OF PREPARER. PHONE:

TOLEDO EDISON COMPANY DAVIS-BESSE NUCLEAR POWER STATION UNIT ONE SPECIAL REPORT

DATE OF EVENT: January 30, 1979

FACILITY: Davis-Besse Unit 1

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IDENTIFICATION OF OCCURRENCE: Photoelectric Detector DS 8605-E did not pass Surveillance Test ST 5016.04

Conditions Prior to Occurrence: The unit was in Mode 1 with Power (MWT) = 2550, and Load (Gross MWE) = 825.

Description of Occurrence: While conducting Surveillance Test ST 5016.04, "Detector Channel Functional and Supervisory Circuits Checks", it was determined that Photoelectric Smoke Detector DS 8605-E in the Emergency Diesel Generator 1-1 area was not functional and a test deficiency was prepared. This lead to DS 8605-E being declared inoperable at 1600 hours on Janua \vee 30, 1979, which placed the unit in the Action Statement of Technical Specification 3.3.3.8, which specifies the minimum fire detection instrumentation and requires with one or more detectors inoperable that within one hour, a fire watch patrol be established and the instrument(s) restored to operable status within 14 days. A fire watch patrol was established at that time.

Designation of Apparent Cause of Occurrence: The failure of Photoelectric Detector DS 8605-E was the cause of the occurrence.

Analysis of Occurrence: The four other area photoelectric detectors in this open rouse are operable, and a fire watch patrol was maintained in this area.

Corrective Action: A fire watch patrol was maintained in the area, and a new detector was ordered. The new detector was installed under Maintenance Work Order I&C 013-005-79 and retested satisfactorily at 1529 hours on February 28, 1979, removing the unit from the Action Statement of Technical Specification 3.3.3.8.

Failure Data: There have been no previously reported failures of photoelectric detectors.

LER #79-017