



June 21, 1995

U.S. Nuclear Regulatory Commission  
Washington, DC 20555

Attention: Document Control Desk

Subject: Braidwood Station Units 1 and 2  
Byron Station Units 1 and 2  
Dresden Station Units 2, and 3  
LaSalle County Station Units 1 and 2  
Quad Cities Station Units 1 and 2  
Zion Station Units 1 and 2

10 CFR Part 21 Interim Report 95-007  
ComEd Amerace E7000 Series Relay Timers May  
Be Used in Unqualified Configurations

NRC Dockets 50-456 and 50-457  
NRC Dockets 50-454 and 50-455  
NRC Dockets 50-237 and 50-249  
NRC Dockets 50-373 and 50-374  
NRC Dockets 50-254 and 50-265  
NRC Dockets 50-295 and 50-304

Applicability

This notification is submitted in accordance with the requirements of 10 CFR Part 21. Section 21.21(a)(2).

Identification of Facilities and Components

Byron Nuclear Generating Station Units 1 and 2  
Braidwood Nuclear Generating Station Units 1 and 2  
Dresden Nuclear Generating Station Units 2 and 3  
LaSalle Nuclear Generating Station Unit 1 and 2  
Quad Cities Nuclear Generating Station Units 1 and 2  
Zion Nuclear Generating Station Units 1 and 2

Amerace E7000 Series Relay Timers used in various safety related applications at all 6 ComEd nuclear generating stations

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Identification of Component Manufacturer/Supplier

Amerace Electronic Components  
7474 Utilities Road  
Punta Gorda, FL 333982

Nature of Defect

The defect is related to a notification from Amerace of a reduction in contact rating for Amerace's E7000 Series relay timers. The published rating was reduced for circuits serving loads rated at 1.0 amp at 125 VDC. The new rating is 0.5 amps at 125 VDC. Amerace requested that ComEd review any DC applications with the E7000 series timer that may be required to switch 125 VDC at 1.0 amp. Amerace indicated that, per test data, the fragility level of the contact blocks was determined to be between 0.68 amps and 0.71 amps at 125 VDC.

Time of Discovery

Commonwealth Edison Company first determined that the potential misapplication of the Amerace E7000 relays could potentially adversely affect safety related equipment and that the defect could be reportable per 10CFR21 on April 25, 1995.

Number and Location of All Defective Components:

The Amerace relay timers are used in various safety related applications at all six ComEd sites. The approximate numbers range from: 24 at LaSalle Station, 33 at Quad Cities, 50 at Dresden, and 55 applications at Zion, to approximately 250 applications at Byron and Braidwood Stations.

Corrective Actions:

All ComEd sites are evaluating the specific applications of the E7000 series relay timers at their individual stations, respectively. Because of the unique configuration of each application and the detailed review and evaluation that is required to determine whether a substantial safety hazard exists, each site is responsible for dispositioning their own relays. To date, three sites have completed their preliminary review and no cases were found in which the E7000 series relay timers were determined to adversely impact the operability of any safety related equipment at ComEd.

10 CFR 21 Evaluation

At this time, the ComEd review indicates that there is a potential 10 CFR Part 21 notification related to the Amerace E7000 series relay timers. To date, no applications have been determined to meet the reportability requirements of 10 CFR Part 21. However, the review of all applications at ComEd has not been completed. It is anticipated that this evaluation will be completed for all sites by 8/23/95.

Contacts

Questions pertaining to this notification should be addressed to:

Eric S. Steckhan  
Nuclear Engineering Services  
ComEd  
1400 Opus Place, Suite 300  
Downers Grove, IL 60515  
(708) 663-7437

Sincerely,



*for* I. M. Johnson  
Licensing Operations Director  
Nuclear Regulatory Services

cc: J. Martin, Regional Administrator-RIII  
S. Dupont, Senior Resident Inspector (Braidwood)  
H. Peterson, Senior Resident Inspector (Byron)  
M. Leach, Senior Resident Inspector (Dresden)  
P. Brochman, Senior Resident Inspector (LaSalle)  
C. Miller, Senior Resident Inspector (Quad Cities)  
R. Roton, Senior Resident Inspector (Zion)