Part 21 (PAR) Event # 46647

Rep Org: TYCO ELECTRONICS
Supplier: TYCO ELECTRONICS
Notification Date / Time: 02/28/2011 10:00 (EST)
Event Date / Time: 02/28/2011 (EST)
Last Modification: 02/28/2011

Region: 1
City: FAIRWIEW
County:
State: NC
Docket #:
Agreement State: Yes
License #:

NRC Notified by: SCOTT DAUBERT
HQ Ops Officer: VINCE KLCO
Emergency Class: NON EMERGENCY
10 CFR Section:
21.21 UNSPECIFIED PARAGRAPH

Notifications: MARK FRANKE R2DO
DAVID HILLS R3DO
PART 21 GRP

PART 21 - SPECIFIED RELAYS WITH DEGRADED COILS

During the dedication process of nuclear E7000 relays, Tyco Electronics experienced an issue with a component. This component, a coil internal to the relay, failed to operate during quality assurance testing.

Tyco purged this lot of coils from their inventory and also from all "work in process." Tyco was able to account for all the coils in this lot of E7000 relays with serial numbers beginning with 1046. Tyco records indicate that some relays shipped to the Exelon/Quad Cities facility were made using this specific coil lot. Tyco sold this safety-related item for specified and unspecified applications.

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IE19
NRR

Received at: 02/28/2011 09:59

Scott Daubert
Quality Assurance Manager
Tyco Electronics Global Aerospace Defense and Marine Division
CII Relays
Asheville Operations
1396 Charlotte Highway
Fairview, NC 28730

Telephone: 828-338-1011
Fax: 828-338-1103

Date: **February 28, 2011**

To: **Operation Center**
United States Nuclear Regulatory Commission (NRC)
Fax: (301) 816 - 5151

Subject: **Notification of Limited E7000 Relay Recall (CII-021)**

During our dedication process of nuclear E7000 relays, Tyco Electronics experienced an issue with a component. The coil, internal to the relay, failed to operate during quality assurance testing.

We purged this lot of coils from our inventory and all "work in process". We are able to account for all the coils in this lot. Our records indicate that some relays shipped to your facility were made using this specific coil lot.

Because the coil did not meet stated requirements, we are recalling the specific relays listed on the attached certificates of conformance for replacement. Note that only the specific lot numbers listed on the attached certificates of conformance are affected by this recall. All other lots should function in accordance with specifications.

To return these relays, contact your Tyco Electronics Customer Service Representative at 1-800-526-5136 to obtain a Customer Return Authorization number (RMA#) and then follow the standard return process. Please reference "**CII-021**" on RMA paper work. Relays should be returned to my attention.

If you have any questions or require any additional information on this limited recall, please contact me at the numbers listed above.

Sincerely,

Scott Daubert
Quality Assurance Manager

Tyco Electronics

Attachment 1
Customers notified by Tyco Electronics regarding this condition.

Customer	Location		Total
Tyco/Canada	Markham, Ontario, Canada		5
Exelon/Quad Cities	Cordova, IL		2
		Total	**7**

Tyco Electronics

Attachment 2
Transfer of Information per Part 21.21 (b)

(i) Name and address of the individual providing the information:

Rob Hughes, Quality Engineer, Tyco Electronics – CII of the Global Aerospace and Defense Division, 1396 Charlotte Highway, Fairview, NC USA 28730.

(ii) Identification of the facility, the activity, or the basic component supplied for such facility or such activity that contains a deviation or failure to comply;

Item supplied are E7000 relays with serial numbers beginning with 1046, and that have this specific lot of coils. The Certificates of Conformance stating exact relay description and serial numbers were sent to affected customers with this February 28, 2011 notification.

Tyco sold this safety-related item for specified and unspecified applications. The customers for which Tyco had insufficient information to complete the Part 21 evaluation are listed in Attachment 1.

(iii) Identification of the firm constructing the facility or supplying the basic component that contains a deviation or a failure to comply:

Tyco Electronics, 1396 Charlotte Highway, Fairview NC, USA 28730

(iv) Nature of the defect or safety hazard that could be created by such a deviation or failure to comply:

A coil failed to operate during the dedication testing of a current production order. We are recalling relays of this same material lot that were previously shipped. It is possible that the relays with this lot of coils may fail to operate at some point in this products' life cycle, thereby preventing the relay from changing state when activated.

(v) The date on which the information of such a deviation or failure to comply was obtained

Tyco Electronics made the determination of the existence of this condition February 25, 2011. Notice of Limited E7000 Relay Recall was issued to the customers on February 28, 2011.

(vi) In case of a basic component, which contains a deviation or failure to comply, the locations of all such components in use or being supplied?

Customers that purchased affected safety-related items from Tyco Electronics for unspecified applications are identified in Attachment 1.

(vii) The corrective action which has been, is being, or will be taken; the name of the individual or organization responsible for the action; and the length of time that has been or will be taken to complete the action (note, these are actions specifically associated with the identified deviation or failure to comply:

Tyco purged the specific lot of coils failing to meet specification from its inventory and "work in process".

(vii) Any advice related to the deviation or failure to comply about the facility, activity, or basic component that has been, is being given to purchasers or licensees:

Based on our evaluation this issue is expected to have a high potential to produce a significant safety concern. However, Tyco Electronics does not have sufficient information to perform an evaluation for unspecified applications. Therefore customers having received the recall notification should return affected relays for a replacement.