



November 5, 2001

Document Control Desk  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

Subject: Report of Potential Defect per 10 CFR Part 21  
Type CVE / CVE-1 Relay

Reference: ABB Initial Notification per 10 CFR Part 21 dated October 5, 2001

Notification By: ABB Automation Inc.  
Substation Automation and Protection Division  
4300 Coral Ridge Drive  
Coral Springs, FL 33065

This letter is to notify you of a potential defect concerning our Class 1E type CVE / CVE-1 Relay.

ABB Coral Springs is currently in the process of a "Qualification Verification Program" where qualifications are being performed by an independent contractor. The test results for the type CVE-1 relay (identified on the contractor's report dated October 3, 2001), concluded the zero period acceleration value for the 20 degree (Voltage-Angle Operating Circle) setting or higher (i.e., 25, 30, etc.) was 0.5g, and for the 40 degree setting or higher (i.e., 45, 50, etc.) was 2.3g. Our original data showed the zero period acceleration value for the 40 degree setting was 5.7g.

Because of these latest results we have decided to issue this notification.

This notification pertains to the type CVE and CVE-1 synchro-verifier relay styles 1339D58A01, A02 and 1326D67A01, A02 (with or without a style suffix letter) respectively. Our customers who have purchased one or more of these relay styles are identified on the following page and will be notified as to their options.

We have a possible replacement relay in form and fit presently in possession by our independent contractor of seismic qualification testing with the results expected soon. We also have a solid state device with a zero period acceleration rating of 6.0g which would serve as a satisfactory replacement but would require modification to the mounting structure. Our customers will have the initial option of keeping their existing relay(s) in the state identified above (i.e. 0.5g for the 20 degree setting and 2.3g for the 40 degree setting).

The full range of options will not be realized until receipt and review of the finalized report of the possible replacement relay.

**ABB Automation Inc.**


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Customers affected are as follows:

ABB Power T & D Co. Inc.  
ABB Relays AG  
Asea Brown Boveri  
Brown Boveri Elec.  
Cutler Hammer  
Duke Energy Corp.  
Golden Gate Switchboard  
Gould Brown Boveri  
K-Tek International, Inc.  
Kepco  
Korea Elec. Co.  
Vermont Yankee Nuclear Pwr. Corp.  
Wesco  
Westinghouse Elec.

Questions concerning this notification letter should be directed to the Quality Manager at the Substation Automation & Protection Division at 954-752-6700 or Fax 954-345-5329.

  
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