



July 3, 2002

Document Control Desk
NRC Operations Center
Fax: 301-816-5151

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

Reference: Initial Notification to the NRC dated November 2, 2001 and
Customer Notification dated January 22, 2002

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

This letter is to follow-up on the referenced notifications 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 seismic 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 was 0.5g, and for the 40 degree setting was 2.3g. Our original seismic test data showed the zero period acceleration value for the 40 degree setting was 5.7g.

As mentioned in the referenced correspondence, the reason for the initial and this follow-up customer notification is because of the difference in the test results, and the fact that we no longer have the original test equipment to reconfirm the original seismic test data.

This notification applies only to the type CVE and CVE-1 synchro-verifier relay styles 1339D58A01, A02 and 1326D67A01, A02 (with or without a style suffix letter) respectively.

In January 2002 we supplied you with a copy of the test curves showing the zero period acceleration value for the 20 degree setting is 0.5g, and for the 40 degree setting is 2.3g. At that time we asked that you review these curves to determine whether a problem exists for the application of the CVE / CVE-1 Relays you have purchased and provide results of your review to our Technical Support Line.

Two of our customers indicated that the ZPA g level at their setting and frequency was acceptable and one customer required a higher ZPA g level for their application.

As a result of our customer responses and additional relay modification testing and analysis, ABB recommends one of the following as a solution to this potential defect:

1. Leave the present CVE/CVE-1 Relays in place if the new requalified ZPA g level is acceptable at the frequency or frequencies of your concern for seismic events. These curves are again included in this letter along with a list of those relays affected.
2. Change the angular setting of the present CVE/CVE-1 Relays to a higher degree setting level.

ABB Inc.

July 3, 2002

Page 2

Director of Nuclear Operations

3. Replace with a newly developed CVX/CVX-1 relay that meets a 5.6g level at an angular setting of 40 degrees or higher.
4. Replace with a solid state type 25S / 25V Relay that has a ZPA level of 6g at angular settings of 20 to 60 degrees. This Relay requires changing the wiring and mechanical mounting configuration.

Questions concerning this notification letter, the results of your review or for information on the CVX/CVX-1 or 25S/25V Relays should be directed to our Technical Support Line at 800-222-1946.



Russell W. Gonnam

Quality Manager