

March 7, 1994

John Pasquenza
ABB Combustion Engineering
1000 Prospect Hill Road
Windsor, Connecticut 06095-0500

Dear Mr. Pasquenza:

This letter is official notification in accordance with 10CFR21.21 of a deviation to specification. Computer Products, Inc. (CPI) has identified that the RTP Universal Input/Output Controller Interface Card utilized in the Universal I/O Controller (UIOC), which is supplied for installation into U.S. Nuclear Generating facilities, does not meet elevated operating temperature specifications as published.

We have determined that the affected revision has been supplied to ABB/CE for installation at Yonggwang Nuclear Power Plant (YGN) Units 3 & 4.

Shipping history is as follows:

Model #: NEQ7431/60-002 - Shipped quantity 20, August 1989.

The deviation is caused by increased component susceptibility, at ambient temperatures above 90°F, to circuit anomalies. The effect of the anomalies are on a component of the 021-5282-000 circuit board sub-assembly. These effects are attributed to the circuit layout of the 021-5282-000 Revision E, circuit board. The circuit board sub-assembly is a interface card which plugs into the NEQ7431/60-002 UIOC chassis. The suspect units can be identified by Computer Products part number NEQ021-5282-000 Revision E only.

This deviation does not affect the normal operation of the circuit cards or controller chassis; however, in a environment where temperatures exceed 90°F, these units will not perform as specified.

Model Number Breakdown

Model # NEQ7431/60-002 consists of part #'s:

NEQ070-5089-002 - Chassis, Universal Input/Output Controller (UIOC)

NEQ021-5282-000 Rev. E - Circuit Card, UIOC Interface Card

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The design has been corrected through a Engineering Change Order (ECO) adding two filter capacitors. These capacitors slow signal rise times preventing the effects of circuit anomalies which cause the deviation. The ECO changed the revision of the 021-5282-000 to revision E1.

Computer Products, Inc., as a supplier, does not feel that we have the capability to perform an evaluation as to the effect this deviation may have regarding whether or not a substantial safety hazard exists.

If the utility (operator) decides that corrective action is required on delivered units, access to the 021-5282-000 circuitry is necessary and will require shutdown and removal of the circuit board sub-assembly from the UIOC chassis and system.

In accordance with 10CFR21.21, Computer Products, Inc. is simultaneously notifying the Nuclear Regulatory Commission of this deviation.

Sincerely,

A handwritten signature in cursive script that reads "Jack Kovalcik".

Jack Kovalcik
Director, Quality Assurance
and Manufacturing Technology

JK/jn