



**SOLIDSTATE CONTROLS**

**Quality Assurance**

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U.S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, DC 20555-0001

Attention: Document Control Desk

Subject: Notification of Potential Defect - 10CFR Part 21

Product: AMETEK Solidstate Controls Safety-Related Operational Spare Parts Kits

AMETEK Solidstate Controls (SCI) is providing this report in accordance with 10CFR Part 21 as notice of a process defect that resulted in components being provided as safety-related spare parts without being dedicated.

Additional information is attached. Please contact me with any further questions.

Sincerely,

Ethan Salsbury  
Quality Manager  
Ametek Solidstate Controls

**PROBLEM DESCRIPTION:**

Lack of evidence of dedication testing for AMETEK Solidstate Controls Safety-Related Operational Spare Parts Kits provided with SCI equipment

**CAUSE:**

In October 2018, NextEra Seabrook notified SCI of a part number discrepancy with a safety-related fuse that was provided with an operational spare parts kit with an equipment order. After further investigation, it was determined that dedication testing was not performed on the operational spare parts kits provided with the equipment on various jobs in recent years.

Generally, spare parts are ordered separately from equipment and a process is in place to direct the parts to quality for commercial grade dedication testing. In this instance, the parts were ordered as a line item on the sale and the parts in question were selected from inventory without being routed through quality for commercial grade dedication.

**PROBLEM YOU COULD SEE:**

Evidence of dedication testing is not available for operational spare parts kits which were provided with equipment orders, however, there are no functional concerns with the components provided on these orders. The parts would have been selected at the same time as the parts that were installed in the systems. Additionally, for the commercial grade items provided, there is no history of failure during dedication testing performed by AMETEK either in equipment or during bench testing.

**ACTION REQUIRED:**

Aside from printed circuit boards, the parts supplied as operational spare parts on the following orders will need to be dedicated:

Order #	PO #	Customer Name	Plant	Item
96000070	766830 & 766027	Duke Energy Corporation	Brunswick Nuclear Plant	96000070-9-1
96000076	2334057	Nextera Energy Seabrook, LLC	Seabrook	96000076-13-1
96000088	70295702	Dominion, Inc.	North Anna Power Station Unit 1 & 2	96000088-6-1
96000092	3152052/913	NPP Krsko	Krsko	96000092-9-1
96000092	3152052/913	NPP Krsko	Krsko	96000092-10-1
96000093	3152053/913	NPP Krsko	Krsko	96000093-5-1
96000095	PO041214001	Formosa Nextech Co., Ltd.	Maanshan Nuclear Power Station	96000095-20-1
96000095	PO041214001	Formosa Nextech Co., Ltd.	Maanshan Nuclear Power Station	96000095-19-1
96000103	PO050506001	Formosa Nextech Co., Ltd.	Maanshan Nuclear Power Station	96000103-9-1
96000103	PO050506001	Formosa Nextech Co., Ltd.	Maanshan Nuclear Power Station	96000103-10-1

All printed circuit boards are either procured from a qualified supplier or assembled by SCI. All printed circuit boards undergo testing by SCI. Therefore, no additional dedication testing is required for the printed circuit boards.

**AMETEK SOLIDSTATE CONTROLS CORRECTIVE ACTION:**

AMETEK SCI recommends returning the untested items from the purchase orders above and will work with you to arrange returns and retesting. Please contact Mr. Mark Shreve of our Client Services group at 1-800-222-9079, 1-614-846-7500 ext. 6332, or [mark.shreve@ametek.com](mailto:mark.shreve@ametek.com).