

Part 21 (PAR)

Event # 48285

Rep Org: AMETEK SOLIDSTATE CONTROLS	Notification Date / Time: 09/07/2012 12:45 (EDT)
Supplier: AMETEK SOLDSTATE CONTROLS	Event Date / Time: 03/14/2012 (EDT)
	Last Modification: 09/07/2012
Region: 3	Docket #:
City: COLUMBUS	Agreement State: Yes
County:	License #:
State: OH	
NRC Notified by: ROBERT GEORGE	Notifications: KENNETH RIEMER R3DO
HQ Ops Officer: PETE SNYDER	PART 21 REACTOR GRP EMAIL
Emergency Class: NON EMERGENCY	
10 CFR Section:	
21.21(d)(3)(i) DEFECTS AND NONCOMPLIANCE	

PART 21 - IMPROPER SPECIFICATION OF INVERTER CAPACITORS

"PRODUCT: 10 KVA inverter Model 86VC0100-15, 3 phase 480 VAC output. Limited to systems supplied to Exelon Byron and Braidwood units. Capacitors C10 through C15 part number 03-040060-00.

"COMPONENT DESCRIPTION: Suppression capacitors, Ametek part number 03-040060-00, used in positions C10 through C15 on Model 86-VC0100-15 only.

"PROBLEM YOU COULD SEE: Capacitor could arc internally and open internally and externally.

"CAUSE: the manufacturer's investigation revealed that due to improper selection of capacitor used may fail due to a corona effect internally.

"EFFECT ON SYSTEM PERFORMANCE: The capacitor may short internally and open circuit by forcing lead separation from the device.

"ACTION REQUIRED: Replace the capacitor(s) with Ametek part 03-040041-20. The replacement is rated at 370 VAC and used in a 277 VAC circuit.

"AMETEK SOLIDSTATE CONTROLS CORRECTIVE ACTION: The defect is limited to the units supplied to Exelon Byron and Braidwood plants under Ametek joc C103552."

Both the Byron and Braidwood plants are already informed of this condition.

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LRR



SOLIDSTATE CONTROLS

Quality Assurance

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Robert E. George
Director of Quality

March 14, 2012

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

Attention: **MANAGER DOCUMENT CONTROL CENTER**
Subject: **Notification of Potential Defect - 10CFR Part 21**

Product: Ametek 10 KVA inverter Model 86VC0100-15, 3 phase 480 VAC output. Limited to systems supplied to Exelon Byron and Braidwood units. Capacitors C10 through C15 part number 03-040060-00.

Ametek Solidstate Controls is submitting the following Report of a Potential Defect in accordance with the requirements of 10CFR Part 21.

Please contact me if you require any further information.

Sincerely,

Robert E. George
Director of Quality
Ametek Solidstate Controls





COMPONENT DESCRIPTION:

Suppression capacitors, Ametek part number 03-040060-00, used in positions C10 through C15 on Model 86-VC0100-15 only.

PROBLEM YOU COULD SEE:

Capacitor could arc internally and open internally and externally.

CAUSE:

The manufacturer's investigation revealed that due to improper selection of capacitor used may fail due to a corona effect internally.

EFFECT ON SYSTEM PERFORMANCE:

The capacitor may short internally and open circuit by forcing lead separation from the device.

ACTION REQUIRED:

Replace the capacitor(s) with Ametek part 03-040041-20. The replacement is rated at 370 VAC and used in a 277 VAC circuit.

AMETEK SOLIDSTATE CONTROLS CORRECTIVE ACTION:

The defect is limited to the units supplied to Exelon Byron and Braidwood plants under Ametek job C103552.

Ametek Solidstate Controls will work with you to arrange replacements. Please contact Mr. Jim Ackinclose of our Client Services group at 1-800-222-9079 or 1-614-846-7500 ext. 6260. jim.ackinclose@ametek.com

Capacitors C10 through C15 part number 03-040041-20