

Part 21 (PAR)

Event # 52384

<b>Rep Org:</b> AMETEK SOLID STATE CONTROLS	<b>Notification Date / Time:</b> 11/21/2016 12:13 (EST)
<b>Supplier:</b> AMETEK SOLID STATE CONTROLS	<b>Event Date / Time:</b> 10/26/2016 (EST)
	<b>Last Modification:</b> 11/23/2016
<b>Region:</b> 3	<b>Docket #:</b>
<b>City:</b> COLUMBUS	<b>Agreement State:</b> Yes
<b>County:</b>	<b>License #:</b>
<b>State:</b> OH	
<b>NRC Notified by:</b> ETHAN SALSBURY	<b>Notifications:</b> AARON McCRAW R3DO
<b>HQ Ops Officer:</b> MARK ABRAMOVITZ	PART 21/50.55 REACTORS EMAIL
<b>Emergency Class:</b> NON EMERGENCY	
<b>10 CFR Section:</b>	
21.21(d)(3)(i) DEFECTS AND NONCOMPLIANCE	

## PART-21 - INCORRECT CAPACITOR USED ON CIRCUIT BOARDS

The following report was excerpted from an e-mail:

"Product: Ametek Solidstate Controls Analog Oscillator, printed circuit board part number 80-9230404-90

"A single unit, Ametek part number 80-9230404-90, was shipped to Exelon Dresden Station on the reference purchase order has an incorrect capacitor installed. This error was identified during testing of a subsequent identical part. Ametek reviewed all printed circuit boards built under that run and verified all affected printed circuits boards less one, were still in house. This shipment was made on October 26, 2016. Ametek contacted Exelon Dresden immediately upon identification of the incorrect part installation and Exelon was able to have the board retrieved from their inventory. Ametek Solidstate Controls is submitting this notification as a precaution under the requirements of 10 CFR Part 21, but considers it a limited incident as the single defective part was isolated and the board is in the process of being returned. No further action is required and this notification does not affect any other installation, client, inventory, or equipment provided by Ametek."

\*\*\* UPDATE AT 0921 ON 11/23/16 EST FROM ETHAN SALSBURY TO JEFF HERRERA \*\*\*

The following report is an excerpt from an email received:

"Dresden was incorrectly identified as the recipient of the printed circuit board in question. Byron warehouse was the correct recipient and was the facility notified upon identification of the issue.

"Ametek reviewed all the printed circuit boards built under that run and verified all affected printed circuits boards less one, were still in house. The single affected board was shipped to Exelon Generation Company, Byron

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warehouse on purchase order # 00588294 and Ametek sales order #46001912. This shipment was made on October 26, 2016.

"Ametek contacted Exelon Byron immediately upon identification of the incorrect part installation and Exelon was able to have the board retrieved from the inventory."

Notified R3DO (McCraw) and Part 21/50.55 (via email).

\*\*\*\*\*

**From:** [Ethan Salsbury](#)  
**To:** [Hoc, HOO X](#)  
**Subject:** [External\_Sender] RE: Ametek Part 21 Notification  
**Date:** Wednesday, November 23, 2016 9:21:03 AM  
**Attachments:** [image002.png](#)  
[image003.png](#)  
[image005.png](#)  
[NRC Part 21 Notification r.2.pdf](#)

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Good morning,

I have attached a second revision to the Part 21 notification submitted earlier this week. Dresden was incorrectly identified as the recipient of the printed circuit board in question. Byron warehouse was the correct recipient and was the facility notified upon identification of the issue. I have clarified this with Dresden and will provide a revised notification to Byron today. Please contact me with any further questions or clarifications.

Thanks,

**Ethan Salsbury**  
Quality Manager

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SOLIDSTATE CONTROLS

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D: +1 614 410 6293 | C: +1 419 206 1283 | [ethan.salsbury@ametek.com](mailto:ethan.salsbury@ametek.com)



**From:** Ethan Salsbury  
**Sent:** Monday, November 21, 2016 1:45 PM  
**To:** 'hoo.hoc@nrc.gov' <[hoo.hoc@nrc.gov](mailto:hoo.hoc@nrc.gov)>  
**Subject:** Ametek Part 21 Notification

Hello,

Attached is a Part 21 notification from Ametek Solidstate Controls in Columbus, Ohio. This notification is in regard to a printed circuit board (80-9230404) provided to Exelon, Dresden with an incorrect capacitor. Please review the notification and feel free to contact me should you have any questions or concerns.

Thanks,

**Ethan Salsbury**  
Quality Manager

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**AMETEK**

**SOLIDSTATE CONTROLS**

**Quality Assurance**

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November 23, 2016

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

Reference, P.O. 00588294 Rev 001, Ametek Job # 46001912

Attention: Document Control Desk  
Subject: Notification of Potential Defect - 10CFR Part 21 (Limited Scope)

Product: Ametek Solidstate Controls Analog Oscillator, printed circuit board part number 80-9230404-90

A single unit of Ametek part number 80-9230404-90 was shipped to Exelon Byron Station on the reference P.O. which has an incorrect capacitor installed. This error was identified during testing of a subsequent identical part.

Ametek reviewed all the printed circuit boards built under that run and verified all affected printed circuits boards less one, were still in house. The single affected board was shipped to Exelon Generation Company, Byron warehouse on purchase order # 00588294 and Ametek sales order #46001912. This shipment was made on October 26, 2016.

Ametek contacted Exelon Byron immediately upon identification of the incorrect part installation and Exelon was able to have the board retrieved from the inventory.

Ametek Solidstate Controls is submitting this notification as a precaution under the requirements of 10CFR Part 21, but considers it a limited incident as the single defective part was isolated and the board is in the process of being returned.

No further action is required and this notification does not affect any other installation, client, inventory, or equipment provided by Ametek.

Please contact me if you require any further information.

Sincerely,

Ethan Salsbury  
Quality Manager  
Ametek Solidstate Controls