

Part 21 (PAR)

Event # 48146

<b>Rep Org:</b> QUALTECH NP CURTISS WRIGHT	<b>Notification Date / Time:</b> 08/01/2012 10:56 (EDT)
<b>Supplier:</b> QUALTECH NP CURTISS WRIGHT	<b>Event Date / Time:</b> 08/01/2012 (EDT)
	<b>Last Modification:</b> 09/10/2012
<b>Region:</b> 3	<b>Docket #:</b>
<b>City:</b> CINCINNATI	<b>Agreement State:</b> Yes
<b>County:</b>	<b>License #:</b>
<b>State:</b> OH	
<b>NRC Notified by:</b> TIM FRANCHUK	<b>Notifications:</b> TAMARA BLOOMER R3DO
<b>HQ Ops Officer:</b> BILL HUFFMAN	PART 21 GROUP EMAIL
<b>Emergency Class:</b> NON EMERGENCY	
<b>10 CFR Section:</b>	
21.21(d)(3)(i) DEFECTS AND NONCOMPLIANCE	

## POTENTIAL PART 21 ISSUE RELATED TO TYCO TIMING RELAY

The following information was provided via facsimile:

"QualTech NP is providing this notification as a potential 10 CFR Part 21 issue. We have discovered a manufacturing defect in a timing relay which prevents the relay from operating at a specific setting. This relay was purchased as a commercial grade item and dedicated through our dedication process for safety related applications at our Cincinnati facility.

"The subject equipment is TYCO Model CNT-35-96, a timing relay with adjustable trip ranges from seconds up to 9,990 hours. QualTech NP has recently identified a failure mode for this relay in that the device will not trip in the 10H setting. In communications with the manufacturer, they have confirmed that there is a flaw in the design that prevents this specific setting from tripping.

"QualTech NP has only sold this unit to two plants, both Exelon. We recognize, however that other utilities could have these installed. Based on the information in hand we are evaluating the need for a 10 CFR Part 21 notification. Since the item was qualified under the EPRI SQRSTS [Seismic Qualification Reporting and Testing Standardization] Program, the recommended corrective action is to notify EPRI of the condition in order for SQRSTS members to perform an impact evaluation.

"Additional details will be provided in the formal written report. Please contact Tim Franchuk at 513-528-7900, ext. 176 (office), [redacted] or via email tfranchuk@curtisswright.com for any additional information."

\*\*\* UPDATE ON 8/2/12 AT 1659 EDT FROM MARGIE BREWER TO DONG PARK \*\*\*

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Part 21 (PAR)

Event # 48146

The licensee has revised the third paragraph to read as follows:

"QualTech NP has only sold this unit to two plants, Exelon LaSalle and Quad Cities. We recognize, however that other utilities could have these installed. Based on the information in hand we are evaluating the need for a 10 CFR Part 21 notification. Since the item was qualified under the EPRI SQRSTS [Seismic Qualification Reporting and Testing Standardization] Program, QualTech NP recognizes that other SQRSTS members may have used the qualification basis as part of licensee dedication activities, and therefore, will notify EPRI of the condition."

Notified R3DO (Kunowski) and Part 21 group via email.

\*\*\* UPDATE AT 1803 EDT ON 09/10/12 FROM TIM FRANCHUK TO S. SANDIN \*\*\*

The following update was received via fax:

"QualTech NP is issuing this letter to provide additional details from our initial notification dated July 31, 2012 with regard to a potential defect in a timing relay (Log No. 2012-31-00 and 2012-031-01). The affected equipment is TYCO Model CNT 35-96 and the defect is the failure of the component to trip in the 10H setting. The following actions have been taken since the time of the initial notification.

"QualTech NP has notified EPRI, who in turn has notified SQRSTS members of the defect in the 10H setting. In addition, supplemental testing has been performed to provide reasonable assurance that the defect is limited to the 10H setting.

"Please contact Tim Franchuk at 513-528-7900 ext. 176 (office) or via email tfranchuk@curtisswright.com for any additional information."

Notified R3DO Giessner) and Part 21 group via email.

\*\*\*\*\*

**From:** [Brewer, Margie](#)  
**To:** [HOO Hoc](#)  
**Cc:** [Nemier, Marie](#); [Chatham, Mark](#); [Green, Kevin](#); [Franchuk, Timothy](#); [Bell, Mike](#)  
**Subject:** Follow-up Letter Providing Additional Details from July 31, 2012 Notification  
**Date:** Monday, September 10, 2012 6:14:47 PM  
**Attachments:** [Additional details letter per initial 7-31-2012 Notification.pdf](#)

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Good evening:

Please confirm receipt of the submitted document referenced above faxed 9/10/2012 at 16:59.  
I have attached a copy of the letter for reference.

Thank you.

**Margie Brewer**

Document Control Supervisor  
QualTech NP,  
a business unit of Curtiss-Wright Flow Control Company  
4600 East Tech Drive, Cincinnati, OH 45245  
Office: 513.528.7900 ext.101  
<http://qualtechnp.cwfc.com>

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September 10, 2012

To Whom It May Concern:

QualTech NP is issuing this letter to provide additional details from our initial notification dated July 31, 2012 with regard to a potential defect in a timing relay (Log No. 2012-31-00 and 2012-31-01). The affected equipment is TYCO Model CNT-35-96 and the defect is the failure of the component to trip in the 10H setting. The following actions have been taken since the time of the initial notification.

QualTech NP has notified EPRI, who in turn has notified SQRSTS members of the defect in the 10H setting. In addition, supplemental testing has been performed to provide reasonable assurance that the defect is limited to the 10H setting.

Please contact Tim Franchuk at 513-528-7900 ext. 176 (office) or via email [tfranchuk@curtisswright.com](mailto:tfranchuk@curtisswright.com) for any additional information.

Sincerely,

A handwritten signature in black ink, appearing to read 'T Franchuk', written over a white background.

Tim Franchuk  
Quality Assurance Director  
QualTech NP, a business unit of Curtiss-Wright Flow Control Company  
Office: 513-528-7900 ext. 176  
[tfranchuk@curtisswright.com](mailto:tfranchuk@curtisswright.com)

QualTech NP  
4600 East Tech Dr. • Cincinnati, Ohio 45245  
Phone: 513.528.7900 • Fax: 513.528.9292  
[www.qualtechnp.cwfc.com](http://www.qualtechnp.cwfc.com)



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Tim Franchuk  
Quality Assurance Director  
QualTech NP, a business unit of Curtiss-Wright Flow Control Company  
Office: 513-528-7900 ext. 176  
[tfranchuk@curtisswright.com](mailto:tfranchuk@curtisswright.com)