

Sept/18/2026

U.S Nuclear Regulatory
Commission Attn: Document
Control Desk Washington, D.C.
20555-0001

Subject: Interim report of an identified deviation of a basic component.

Dear Sir or Madam:

In accordance with 10 CFR 21.21 (a)(2) Curtiss Wright QualTech NP is submitting this interim report of an identified deviation of a basic component.

On August 8, 2024, Curtiss Wright QualTech NP supplied to Duke Energy H.B. Robinson Nuclear Plant a TYCO Relay PN: E7012PB004 TE S/N: 24240332. CW Tag number CJ1900501 S/N: 02. Duke contacted Curtiss Wright by phone in early July informing us of the deviation and on July 20, 2026, CW received an email from Duke which included their test report. CW issued an RMA and we received the relay from Duke on August 7, 2026.

Per the phone conversation with Duke, they stated that the relay contacts would not properly actuate. Bench test data provided by Duke indicated the following:

De-Energized State:

Contacts 2/6 and 4/6 measured greater than 1 MΩ.

Energized State:

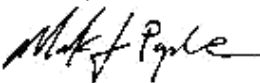
Contacts 3/5, 2/6, and 4/6 measured greater than 1 MΩ.

Based on these results, Duke Energy reported that the expected contact transition was not occurring and returned the relay to Curtiss-Wright under RA-CC19605-1 for investigation. Upon receipt, Curtiss-Wright performed functional testing of the returned relay. During testing, the relay contacts were observed to transition when the relay coil was energized. However, a noticeable time delay was identified in the transition of the normally open (N.O.) contacts. Measured contact-transition lag times ranged from approximately 479 milliseconds to 1,500 milliseconds following coil energization.

Although Curtiss-Wright testing demonstrated that the contacts were capable of changing state, the observed delay in N.O. contact actuation warranted additional investigation. The relay was therefore returned to Tyco for further evaluation to determine whether the measured response time represents acceptable product performance or is indicative of an abnormal condition or degradation within the relay.

The evaluation is still ongoing, and we request additional time to complete the evaluation. Our intent is to have the final evaluation and report completed by November 17, 2026, if not sooner.

Sincerely:



Mark Papke

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Event #:	58455		
Event Type:	Part 21		
Reporting Org:	Curtiss Wright Flow Control Co.	Notify Date/Time:	2026-09-18 10:22 (EDT)
Licensee:		Event Date/Time:	2026-07-20 00:00 (EDT)
		Modify Date/Time:	2026-09-18 10:36
Region:	3		
City:	Cincinnati	Agreement State:	Yes
County:		License #:	
State:	OH		
Notified by:	Mark Papke	Notifications:	R3 Reactors Group email
HOO:	Robert A. Thompson		Part 21/50.55 Reactors, - EMAIL
Emergency Class:	Non Emergency		
10 CFR Sections:			
21.21(d)(3)(i)	Defects And Noncompliance		
PART 21 - RELAY CONTACTS SLOW TO CHANGE STATE			
The following is a summary of information provided by the vendor via email:			
In early July 2026 HB Robinson identified the relay contacts of a single Tyco relay would not properly actuate. Bench testing by Robinson indicated greater than 1 megaohm across relay contacts when the relay coil was energized and based on those results Robinson concluded that the expected contact transition was not occurring. Robinson returned the relay to Curtiss-Wright.			
Curtiss-Wright testing found that the contacts did transition when the relay actuated but observed that a noticeable time delay was identified in the transition of the normally open contacts. Lag times ranged from 479 to 1,500 milliseconds. The relay was returned to Tyco for further evaluation to determine whether the measured response time represents acceptable product performance or is indicative of an abnormal condition or degradation within the relay. This evaluation is still ongoing, however Curtiss-Wright intends to have the final evaluation and report completed by November 17, 2026.			
Tyco part number: E7012PB004, S/N 24240332			
Curtiss-Wright tag number: CJ1900501 S/N: 02			
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