



QualTech NP

Curtiss-Wright Nuclear Division
4600 East Tech Drive, Cincinnati, OH 45245
Phone: 513.528.7900 | F: 513.528.9292
www.qualtechnp.cwfc.com

February 6, 2023

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

Subject: Follow up to 10CFR Part 21 Notification for QualTech NP supplied Eaton TMR5 timing relays

Dear Sir or Madam:

As a follow up to QualTech NP's Part 21 Notice dated November 28, 2022 for Eaton TMR5 timing relays (NRC Event # ML22341A032), an extent of condition review has been completed and has identified additional parts which have digital content that was not previously identified. The extent of condition review covered all orders (500+) received by QualTech NP that required a digital content evaluation. The affected orders are attached. As the specific application(s) for each utility is unknown, QualTech NP cannot determine if these programmable logic devices could affect the safety related function of the parts in question. The end users should evaluate whether the installed items are subjected to unevaluated EMI/RFI conditions or other application specific conditions when installed in the plant.

Root Cause:

QualTech NP's root cause investigation is currently in process.

Corrective Action Taken:

Corrective action taken includes the generation of an enhanced, more detailed digital content inspection procedure and updated, formalized training for all personnel involved.

Please phone (513) 528-7900 if you should have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "T Franchuk". The signature is fluid and cursive.

Tim Franchuk
Quality Assurance Director
QualTech NP, Curtiss-Wright Nuclear Division
Office: 513-528-7900, ext. 176



Table 1: Affected Orders- Energy Harbor (original finding)

Customer	Plant	PO #	Manufacturer	Mfg. Part #	QualTech NP Job #
Energy Harbor	Perry 1	45529688	Eaton	TMR5N15120	CJ14538
		45537060		TMR5N04120	CJ14941
				TMR5N08120	
				TMR5N22120	
		45546965		TMR5N04120	CJ15428
				TMR5N08120	
				TMR5N22120	
		45565421 R1		TMR5N04120	CJ16439
		45565487 R1		TMR5N08120	CJ16441
				TMR5N22120	
45664144	TMR5N04120	CJ17918			
45676362	TMR5N22120	CJ18824			

Note 1: PO # 45676362 is current order where initial discovery was made.

Table 2: Affected Orders (Extent of Condition Review)

Customer	Plant	PO #	Manufacturer	Part/ Mfg. Part #	QualTech NP Job #
Constellation	Calvert Cliffs 1 & 2	00586264 Rev. 1	Eaton	Module, 700-HT3	CJ6576
Constellation	Calvert Cliffs 1 & 2	00656739	Eaton	Module, 700-HT3	CJ14765
Constellation	Calvert Cliffs 1 & 2	00675482 Rev. 2	Eaton	Module, 700-HT3	CJ15295
Energy Harbor	Beaver Valley 1 & 2	45546451	Littlefuse & CIT	Relay Assembly, KRDR424A4 & J107F1CS	CJ15414
Energy Harbor	Beaver Valley 1 & 2	45553835 Rev. 1	Littlefuse & CIT	Relay Assembly, KRDR424A4 & J107F1CS	CJ15770
Pacific Gas & Electric	Diablo Canyon 1 & 2	3501093866 Rev. 1	Basler	Relay, A3E-C2J-BOB1F	CJ6316
Entergy	Arkansas Nuclear One 1 & 2	10506334 Rev. 1	Dayton Electric	Relay, 1EGC8	CJ7086
Entergy	Arkansas Nuclear One 1 & 2	10642793	Dayton Electric	Relay, 1EGC8	CJ17632
Luminant	Comanche Peak 1 & 2	1133206 Rev. 2	Allen-Bradley	Relay, 193-1EFLZ	CJ18066