

Part 21 (PAR)

Event # 50846

Rep Org: CURTISS WRIGHT	Notification Date / Time: 02/23/2015 17:05 (EST)
Supplier: QUALTECH NP, HUNTSVILLE	Event Date / Time: 02/20/2015 (CST)
	Last Modification: 02/23/2015
Region: 1	Docket #:
City: HUNTSVILLE	Agreement State: Yes
County:	License #:
State: AL	
NRC Notified by: BAMBI RHOADES	Notifications: STEVE ROSE R2DO
HQ Ops Officer: VINCE KLCO	PART 21/50.55 REACTORS EMAIL
Emergency Class: NON EMERGENCY	
10 CFR Section:	
21.21(d)(3)(i) DEFECTS AND NONCOMPLIANCE	

PART 21- POTENTIAL DEFECT IN A SOCKET USED SEPARATELY OR IN A CONNECTOR KIT

The following information was received by facsimile:

"[The Curtiss-Wright] letter is issued to provide notification of a potential defect in Socket (PIN: GB-1 A-5) sold separately or supplied as part of a GRAYBOOT 'A' (GB-1A) Connector Kit. There is one affected lot of Sockets (Lot#: 092413). The potential defect is that the socket was not zone annealed which will possibly affect the ability to crimp the socket onto the wire conductor. Zone annealing is specified for the crimp barrel to return the crimp barrel to a soft condition to counteract the effects of previous heat treating required to develop spring tension in the socket tines that mate with the pin contact.

"The nine affected Customers and their associated Purchase Orders are listed below. All Customers will be notified by February 24, 2015 and supplied with the information we have at this time.

1. Vattenfall- Forsmark Kraftgrupp AB, P.O. 4500301916
2. Vattenfall- Forsmark Kraftgrupp AB, P.O. 4500301916
3. Decon International (HK) Ltd., P.O. DIL00590
4. Ringhals AB, P.O. 641511-090
5. Dremel Inc., P.O. 13-040
6. Bruce Power L.P., P.O. 00185336
7. Kanata Electronic Services Limited, P.O. 34513
8. Meggitt Safety Systems Inc., P.O. 104057
9. Meggitt Safety Systems Inc., P.O. 104345

"Based on our recent in-house testing of socket Lot #: 092413, the defective sockets appear to be more difficult to

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crimp than sockets that have been zone annealed. Some of the Lot #: 092413 sockets showed cracking or bending under magnification. We did not have any sockets actually break apart during the crimping process. All the test specimens crimp barrels remained intact. If a severe fracture had occurred at the time of crimping we believe it would have been very noticeable to the technician installing the contact. Once crimped, the socket appears to function well by conducting electricity and exhibiting acceptable electrical resistance. Many of these sockets from Lot #: 092413 may already be installed. Customers will need to determine if replacing the sockets is required.

"All customers listed may choose to replace already installed sockets. It is requested that any uninstalled sockets be returned for replacement. All customers requesting replacement sockets should contact Bambi Rhoades at brhoades@curtisswright.com or by phone at 256-924-7424 for arrangements or Jim Tomlinson, contact information listed below.

"Send all defective sockets to QualTech NP; 120 West Park Loop; Huntsville, AL 35806. Customer can contact Cindy Tidwell at ctidwell@curtisswright.com or by phone at (256) 924-7436 for help with international or freight collect shipping instructions. Ship all defective sockets collect to UPS Account No. 35254E.

"Additional details, corrective actions and root causes will be provided once our report of the recent testing complete. If you require additional information or would like to discuss this further please do not hesitate in contacting [Jim Tomlinson; Office Phone: (256) 924-7429; email:jtomlinson@curtisswright.com]."



QualTech NP
Nuclear Division
125 West Park Loop NW
Huntsville, AL 35806
P: 256.722.8500 | F: 256.722.8533
<http://qualtechnp.cwfc.com>

FAX TRANSMITTAL

Urgent Please Reply

<p>Fax To: 301-816-5151 Attention: US NRC Company: Phone: Transmittal Includes Cover Sheet plus 2 Pages</p> <p>cc:</p>	<p>Date Sent: 2/23/15 From: Bambi Rhoades, Senior Product Engineer Company: QualTech NP, Huntsville Operations Phone: 256-924-7424 Email: brhoades@curtisswright.com</p>
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Attached please find the notification letter concerning a potential defect under 10CFR21.

Sincerely,

Bambi Rhoades



QualTech NP
Nuclear Division
125 West Park Loop NW
Huntsville, AL 35806
P: 256.722.8500 | F: 256.722.8533
<http://qualtechnp.cwfc.com>

(File No. QTHuntsville10CFR21-2015-01)

February 20, 2015

To whom it may concern:

This letter is issued to provide notification of a potential defect in Socket (P/N: GB-1A-5) sold separately or supplied as part of a GRAYBOOT "A" (GB-1A) Connector Kit. There is one affected lot of Sockets (Lot #: 092413). The potential defect is that the socket was not zone annealed which will possibly affect the ability to crimp the socket onto the wire conductor. Zone annealing is specified for the crimp barrel to return the crimp barrel to a soft condition to counteract the effects of previous heat treating required to develop spring tension in the socket tines that mate with the pin contact.

The nine affected Customers and their associated Purchase Orders are listed below. All Customers will be notified by February 24, 2015 and supplied with the information we have at this time.

1. Vattenfall- Forsmark Kraftgrupp AB, P.O. 4500301916, Item 0010, 249 kits (P/N: GB-1A [20-26], Lot 092413) Supplied 9DEC2013.
2. Vattenfall- Forsmark Kraftgrupp AB, P.O. 4500301916, Item 0020, 3200 kits (P/N: GB-1A [20-26], Lot 092413) Supplied 30JAN2014.
3. Decon International (HK) Ltd., P.O. DIL00590, Item 1, 20 kits (P/N: GB-1A [20-26], Lot 092413) Supplied 14JAN2014.
4. Ringhals AB, P.O. 641511-090, Item 10, 90 kits (P/N: GB-1A [16-18], Lot 092413) Supplied 12FEB2014.
5. Dremel Inc., P.O. 13-040, Item 2, 12 kits (P/N: GB-1A [16-18], Lot 092413) and Item 3, 40 kits (P/N: GB-1A [16-18], Lot 092413) Supplied 4MAR2014.
6. Bruce Power L.P., P.O. 00185336, Item 0001, 13 kits (P/N: GB-1A [16-18], Lot 092413) Supplied 12MAR2014.
7. Kanata Electronic Services Limited, P.O. 34513, Rev. 1, Item 1, 44 kits (P/N: GB-1A [16-18], Lot 092413) Supplied 2MAY2014.
8. Meggitt Safety Systems Inc., P.O. 104057 C/O 1, Item 1, 12 sockets (P/N: GB-1A-5, Lot 092413), Item 2, 10 sockets (P/N: GB-1A-5, Lot 092413) and Item 3, 12 sockets (P/N: GB-1A-5, Lot 092413), Supplied 5FEB2014.

9. Meggitt Safety Systems Inc., P.O. 104345, Item 1, 38 sockets (P/N: GB-1A-5, Lot 092413), Item 3, 16 sockets (P/N: GB-1A-5, Lot 092413), Item 5, 16 sockets (P/N: GB-1A-5, Lot 092413), and Item 7, 8 sockets (P/N: GB-1A-5, Lot 092413), Supplied 16APR2014.

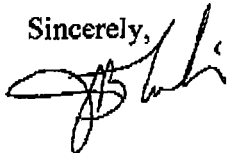
Based on our recent in-house testing of socket Lot #: 092413, the defective sockets appear to be more difficult to crimp than sockets that have been zone annealed. Some of the Lot #: 092413 sockets showed cracking or bending under magnification. We did not have any sockets actually break apart during the crimping process. All the test specimens crimp barrels remained intact. If a severe fracture had occurred at the time of crimping we believe it would have been very noticeable to the technician installing the contact. Once crimped, the socket appears to function well by conducting electricity and exhibiting acceptable electrical resistance. Many of these sockets from Lot #: 092413 may already be installed. Customers will need to determine if replacing the sockets is required.

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Additional details, corrective actions and root causes will be provided once our report of the recent testing complete. If you require additional information or would like to discuss this further please do not hesitate in contacting me.

Sincerely,



Jim Tumlinson
Engineering Manager, Engineered Products
QualTech NP, Huntsville
A business unit of Curtiss-Wright Flow Control Company
Office: 256-924-7429
jtumlinson@curtisswright.com