

Part 21 (PAR)

Event # 48745

<b>Rep Org:</b> DRESSER-RAND	<b>Notification Date / Time:</b> 02/12/2013 16:52 (EST)
<b>Supplier:</b> DRESSER-RAND	<b>Event Date / Time:</b> 02/01/2013 (EST)
	<b>Last Modification:</b> 02/12/2013
<b>Region:</b> 1	<b>Docket #:</b>
<b>City:</b> WELLSVILLE	<b>Agreement State:</b> Yes
<b>County:</b>	<b>License #:</b>
<b>State:</b> NY	
<b>NRC Notified by:</b> D. G. MARTIN	<b>Notifications:</b> ANTHONY DIMITRIADIS R1DO
<b>HQ Ops Officer:</b> DONALD NORWOOD	BOB HAGAR R4DO
<b>Emergency Class:</b> NON EMERGENCY	PART 21 RX GROUP E-MAIL
<b>10 CFR Section:</b> 21.21(d)(3)(i) DEFECTS AND NONCOMPLIANCE	

PART 21 REPORT - DEFECTIVE RAW MATERIAL USED TO MANUFACTURE VALVE STEMS

Dresser-Rand is reporting that one of its vendors supplied annealed material instead of the specified heat-treated material. Dresser-Rand used the defective raw material to manufacture valve stems for Terry Type Emergency Feedwater pump drive turbines. Dresser-Rand has verified that the annealed material is not acceptable for the finished product.

The two customers (Wolf Creek Nuclear Plant and Callaway Nuclear Plant) that received the affected parts have been notified of this issue and have confirmed that the components in question are not in service at their facilities. The remaining material and affected parts have been quarantined at the Dresser-Rand plant in Wellsville, NY.

All questions should be addressed to:  
Joe Menichino  
Manager, Navy/Nuclear Product Engineering  
37 Coat Street  
Wellsville, New York, 14895  
Phone: (585) 596-3406  
jamenichino@dresser-rand.com

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# **DRESSER-RAND**

37 Coals Street  
Wellsville, NY 14895-0592  
Ph: 585/596-3100  
FAX: 585/693-5815

February 12, 2013

To: NRC Operations Center  
Facsimile (301) 816-5151

In accordance with 10 CFR sec. 21.21(d), Dresser-Rand Company hereby notifies the Commission that it has obtained information indicating that one of its vendors supplied defective material that is now in components at two licensed facilities.

The vendor inadvertently supplied annealed material instead of the specified heat-treated material. Dresser-Rand used the defective raw material to manufacture valve stems for Terry Type Emergency Feedwater pump drive turbines. Dresser-Rand has verified that the annealed material is not acceptable for the finished product.

The two customers that received the affected parts have been notified of this issue and have confirmed that the components in question are not in service at their facilities. The remaining material and affected parts have been quarantined at our plant in Wellsville, NY.

Our initial written report on this matter is attached. A final report will be provided in accordance with 10 CFR Part 21.

Please address all questions regarding this matter to:

Joe Menichino  
Manager, Navy / Nuclear Product Engineering  
Dresser-Rand Government Business Unit  
37 Coat Street Wellsville New York 14895  
T: (585) 596-3406 / M: (585) 307-4125 / F: (585) 596-3319  
jamenichino@dresser-rand.com

Sincerely,



D. G. Martin  
General Manager

Attachment: Initial Report No. 45

**INITIAL REPORT 10CFR PART 21  
REPORT OF A POTENTIAL SAFETY HAZARD**

Report No. 45  
Page 1 of 1

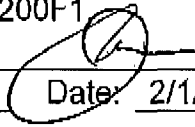
PREPARED BY: <u>J.A. Menichino</u>	Date: <u>2-1-2013</u>
TITLE: <u>Mgr, Navy/Nuclear Product Engineering</u>	File No: _____
PART NAME: <u>Inconel Valve Stem</u>	Serial No: <u>Various</u>
	Type: _____
	Part No: <u>See List, Pg. 2</u>
	Dwg. No: <u>See List, Pg. 2</u>
	Rev. Level: <u>See List, Pg. 2</u>

**DESCRIPTION OF DEFECT:**


Raw material heat treatment condition must be validated. Inconel valve stems are made from heat treated AMS 5663M Inconel Bar raw material. Vendor certification for certain heat numbers of this material indicate annealed condition was supplied.

**ENGINEERING EVALUATION & RECOMMENDATIONS:**

- 1- Identify all AMS 5663M raw material heat numbers supplied in the annealed condition.
- 2- Identify all DR part numbers that were made using the affected heat numbers.
- 3- Investigate the impact of the use of annealed versus heat treated raw material for all items made from this heat of raw material. Justify use of the annealed alternate material or proceed with a recall if the annealed alternate material is found to be unacceptable.
- 4- If the annealed raw material is acceptable this **is not** a reportable safety hazard.
- 5- If the annealed raw material is unacceptable this **is** a reportable safety hazard (recall).
- 6- If recall is required identify all customers that purchased parts made the from the affected heat number(s) of this raw material.
- 7- If recall is required notify customers and recall non-compliant parts.
- 8- If recall is required complete DR Final Report NNSOP1200F1

Evaluation/Recommendation Prepared By: J.A. Menichino 

Title: Mgr, Navy/Nuclear Product Engineering Date: 2/1/2013


Approved By: Dale Smith 

Title: Government Business Unit Director Date: 2/11/2013

**DISPOSITION, CHECK ONE:**

- Yes, this constitutes a safety hazard and requires a Final Report be prepared (EF-066)
- No, this does not constitute a safety hazard and does not require any further reporting.

Reviewed by D-R Wellsville Responsible Officer:

Signature: 

Title: GM Date: 2/12/13

**RETURN TO MANAGER NUCLEAR PRODUCT ENGINEERING**