

Part 21 (PAR)

Event # 48745

<b>Rep Org:</b> DRESSER-RAND		<b>Notification Date / Time:</b> 02/12/2013 16:52 (EDT)	
<b>Supplier:</b> DRESSER-RAND		<b>Event Date / Time:</b> 02/01/2013 (EST)	
<b>Last Modification:</b> 03/11/2013			
<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

\*\*\* UPDATE FROM JOE MENICHINO TO CHARLES TEAL ON 3/11/13 AT 1614 EDT \*\*\*

The following was excerpted from a facsimile received from Dresser-Rand:

"DESCRIPTION OF DEFECT OR NON-COMPLIANCE

IE19  
NRR

Part 21 (PAR)

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"Specific designs of steam turbine control valve stems are made from heat treated ASM 5663M Inconel Bar raw material. Certifications associated with heat numbers of certain inventory of this material indicate that the material vendor incorrectly supplied material in an annealed condition (AMS 5662M).

"POTENTIAL SAFETY HAZARD OR NON-COMPLIANCE

"Valve stems are used to control steam turbine speed and power. The valve stems must be free to move within the guiding assembly during operation. Stems are made using materials that have the correct material properties to reduce the risk of failure. The use of inconel raw stock in an annealed condition is unacceptable for steam turbine valve stems due to the risk of unacceptable wear and strength characteristics which could lead to sticking or tensile failure in the mating guide bushings within the valve assembly.

"ADVICE TO EFFECTED CLIENT RELATED TO THIS REPORT

"For those affected sites identified, locate and return the material to Dresser-Rand immediately."

Affected facilities include Point Beach, Clinton, Wolf Creek, Cooper, Callaway, San Onofre, and Prairie Island.

Notified R1DO (Dentel), R3DO (Dickson), R4DO (Powers), and the Part 21 Group via email.

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## **DRESSER-RAND**

Wellsville Operations  
37 Coats Street  
P.O. Box 592  
Wellsville, NY 14895  
PH: 716/593-1234


March 11, 2013

To: Nuclear Regulatory Commission

Reference - 10CFR Part 21 Reporting of Defects - Final Report

Please accept transmittal of the attached 10CFR Part 21 Final Report Number 45.

Please call if additional information or discussion is required.

  
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Joe Menichino,  
MGR Navy Nuclear Product Engineering  
Dresser-Rand Government Business Unit  
585-596-3406 office  
585-307-4125 cell

Received at: 03/11/2013 16:14

MAR-11-2013 03:45P FROM: GOV. BUS. UNIT

585159613319

TO: 813018165151P489738 P.1/3

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NNSOP12001F1 (Final Report 10 CFR Part 21 Report of a Potential Safety Hazard), REV. 00, 25JUN08  
Reference NNSOP-1-2-001

**Potential Affected Part Numbers:**

800777-001 800743-001  
800768-701 801061-701  
800768-702 800741-701  
800858-001 800744-001  
800740-701 800745-001  
800746-001 800748-001  
800739-001 800742-001

**Contracts and Part Numbers of Affected Parts that must be Recovered:**

(Based on the 2/20/12 non-conformance start date)

**1- Customer and DR Order No. : Point Beach C34587**

PN: 801061-701 Qty 1 (A292081)

PN: 801061-701 Qty 1 (A292082)

Status- Not shipped, on hold at DR Wellsville

**2- Customer and DR Order No. : Clinton 513114**

PN: 800858-001 Qty 2 (A296109)

PN: 800858-001 Qty 1 (N17338)

Status: Shipped, Customer notified and recovery in process

**3- Customer and DR Order No. : Wolf Creek C34590**

PN: 800858-001 Qty 1 (N16958)

PN: 800858-001 Qty 1 (N16445)

Status- Shipped, Customer notified and recovery in process

**4- Customer and DR Order No. : Cooper 478937**

PN: 801061-701 Qty 1 (N16541)

PN: 801061-701 Qty 1 (N16540)

Status- Not shipped, on hold at DR Wellsville

**5- Customer and DR Order No. : ATC/Callaway CSS 515969**

PN: 801743-001 Qty 1 (N16594)

Status- Shipped, Customer notified and recovery complete

**6- Customer and DR Order No. : ATC/ San Onofre CSS 522675**

PN: 800858-001 Qty 1 (N16782)

Customer notified and requested to return matl. under CSS 542255

**7- Customer and DR Order No. : ATC/Praire Island CSS 531682**

PN: 800740-701 Qty 1 (N17197)

Customer notified and requested to return matl. under CSS 542268

3-11-13