

Part 21 (PAR)

Event # 49923

<b>Rep Org:</b> DRESSER-RAND COMPANY		<b>Notification Date / Time:</b> 03/17/2014 13:53 (EDT)	
<b>Supplier:</b> DRESSER-RAND COMPANY		<b>Event Date / Time:</b> 02/17/2014 (EDT)	
<b>Last Modification:</b> 03/17/2014			
<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> ED GRANDUSKY		<b>Notifications:</b> BLAKE WELLING R1DO	
<b>HQ Ops Officer:</b> DANIEL MILLS		KATHLEEN O'DONOHUE R2DO	
<b>Emergency Class:</b> NON EMERGENCY		JULIO LARA R3DO	
<b>10 CFR Section:</b>		PART 21 GROUP EMAIL	
21.21(d)(3)(i) DEFECTS AND NONCOMPLIANCE			

## PART 21 - BEARING DEFECT

The following was received via email:

"On Dresser-Rand Drawing 75439A part number 07 is identified as a Heim LSS-8 bearing that has an Aluminum Bronze insert to accommodate a non-lubricated application. Dresser-Rand shipped 10 bearings part number 75439A07 to Dominion Nuclear in 2006 that were Seal Master Com 8 bearings that do not have an Aluminum Bronze insert.

"This bearing is used on turbines that have a PG type mechanical governor with the cam plate linkage. Extended operation without lubrication will result in the Seal Master Com 8 bearing seizing. The customer should visually inspect this bearing for the bronze insert. If no insert is visible then the bearing should be replaced at the first opportunity."

Licensees potentially affected (turbine serial numbers): Calvert Cliffs (T36674A, T36674B, T36674C, T36674D), DC Cook (T36700A, T36700B), Salem (T36988A, T36988B), Crystal River (T37009A), Davis Besse (T37686A, T37686B), Millstone (F37273A, T38587A), Summer (T38765A).

International sites potentially affected: Bugey (T38498A, T38498B, T38880A, T38880B).

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IE19  
MRR

## **DRESSER-RAND**

**DRESSER-RAND COMPANY**  
37 Coats Street  
Wellsville, NY 14895-0592  
Phone (716) 596-3631  
Fax (716) 593-3369

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**March 17, 2014**

**Fax#: 301-816-5151**

**Nuclear Regulatory Commission**

**Subject: 10CFR50art 21 Reporting of defects**

**Find attached an initial report of defect .**

**Please call if additional information is required**

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**Ed Grandusky**  
**Manager Gov't Aftermarket Engineering**  
**(585) 596-3631 Office**  
**(716) 498-7522 Cell**

**INITIAL REPORT 10CFR PART 21  
REPORT OF A POTENTIAL SAFETY HAZARD**Report No. 46  
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PREPARED BY: <u>Ronald Burdick</u>	Date: <u>02/17/2014</u>
TITLE: <u>Nuclear Quality Specialist</u>	File No: <u>See page 2</u>
PART NAME: <u>Spherical Bearing</u>	Serial No: <u>See page 2</u>
	Type: <u>GS-2</u>
	Part No: <u>75439A07</u>
	Dwg. No: <u>75439A</u>
	Rev. Level: <u>B</u>
<b>DESCRIPTION OF DEFECT:</b>	
On Dresser-Rand Drawing 75439A part number 07 is identified as a Heim LSS-8 bearing that has an Aluminum Bronze insert to accommodate a non-lubricated application. Dresser-Rand shipped 10 bearings part number 75439A07 to Dominion Nuclear in 2006 that were Seal Master Com 8 bearings that do not have an Aluminum Bronze insert.	
<b>ENGINEERING EVALUATION &amp; RECOMMENDATIONS:</b>	
This bearing is used on the turbines listed on page 2 that have a PG type mechanical governor with the cam plate linkage (See sketch on page 3). Extended operation without lubrication will result in the Seal Master Com 8 bearing seizing. The customer should visually inspect this bearing for the bronze insert. If no insert is visible then the bearing should be replaced at the first opportunity.	
Evaluation/Recommendation Prepared By: <u>Ronald Burdick</u>	
Title: <u>Nuclear Quality Specialist</u>	Date: <u>03/3/2014</u>
Approved By: <u>Ed Grandusky</u>	
Title: <u>Navy Nuclear Engineering Manager</u>	Date: <u>03/11/2014</u>
<b>DISPOSITION, CHECK ONE:</b>	
<input checked="checked" type="checkbox"/> Yes, this constitutes a safety hazard and requires a Final Report be prepared	
<input type="checkbox"/> No, this does not constitute a safety hazard and does not require any further reporting.	
Reviewed by D-R Wellsville Responsible Officer:	
Signature: <u>[Signature]</u>	
Title: <u>Director Government Business Unit</u>	Date: <u>3/13/14</u>
<b>RETURN TO MANAGER NUCLEAR PRODUCT ENGINEERING</b>	

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

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Turbine S/N	Site
T36674A	CALVERT CLIFFS
T36674B	CALVERT CLIFFS
T36674C	CALVERT CLIFFS
T36674D	CALVERT CLIFFS
T36700A	D.C.COOK 1
T36700B	D.C.COOK 2
T36988A	SALEM 1
T36988B	SALEM 2
T37009A	CRYSTAL RIVER
T37686A	DAVIS BESSE
F37273A	MILLSTONE 2
T37686B	DAVIS BESSE
T38498A	BUGEY
T38498B	BUGEY
T38587A	MILLSTONE 3
T38765A	SUMMER 1
T38880A	BUGEY
T38880B	BUGEY

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

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