Part 21 (PAR	R) Event#	49923
I all ZI (I Alv		4334

Rep Org: DRESSER-RAND COMPANY Supplier: DRESSER-RAND COMPANY		Notification Date / Time: 03/17/2014 13:53 (EDT)  Event Date / Time: 02/17/2014 (EDT)	
Supplier. Diteochanal Command		st Modification: 03/17/2014	(LDT)
Region: 1 City: WELLSVILLE County: State: NY	Docket #: Agreement State: License #:	Yes	
NRC Notified by: ED GRANDUSKY HQ Ops Officer: DANIEL MILLS Emergency Class: NON EMERGENCY 10 CFR Section: 21.21(d)(3)(i) DEFECTS AND NONC		BLAKE WELLING KATHLEEN O'DONOHUE JULIO LARA PART 21 GROUP	R1DO R2DO R3DO EMAIL

#### 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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#### DRESSER-RAND

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

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

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
Page 1 of 3

PREPARED BY:	Ronald Burdick	Date:	02/17/2014			
•	•	File No:	See page 2			
TITLE:	Nuclear Quality Specialist	Serial No:	See page 2			
		Type:	GS-2			
PART NAME:	Spherical Bearing	Part No:	75439A07			
		Dwg. No:	75439A			
-	•	Rev. Level:	В			
DESCRIPTION C	DF DEFECT:					
	Drawing 75439A part number 07 is identified	as a Heim LS	S-8 bearing that			
	Bronze insert to accommodate a non- lubrica					
	ngs part number 75439A07 to Dominion Nucle					
	arings that do not have an Aluminum Bronze i					
	<b>.</b>					
	·	•				
	EVALUATION & RECOMMENDATIONS:					
This bearing is us	sed on the turbines listed on page 2 that have	a PG type me	chanical governor			
with the cam plate	e linkage (See sketch on page 3). Extended o	peration witho	ut lubrication will			
	Master Com 8 bearing seizing .The customer					
bearing for the bre	onze insert. If no insert is visible then the bea	ring should be	replaced at the			
first opportunity.	•		•			
Evaluation/Recon	nmendation Prepared By: Ronald Burdick					
Title:	Nuclear Quality Specialist	Date: <u>03/3</u>	/2014			
Approved By:	Ed Grandusky					
Title: _i	Navy Nuclear Engineering Manager	Date: 03/1	1/2014			
DISPOSITION, CHECK ONE:						
X Yes, this constitutes a safety hazard and requires a Final Report be prepared						
No, this does not constitute a safety hazard and does not require any further reporting.						
Reviewed by D-R Wellsville Responsible Officer:						
Signature: (120) (5)						
Signature: DONY Drivity						
Title: _	Director Government Business Unit	Date: <u>3</u> _/	113/14			
RETURN TO MANAGER NUCLEAR PRODUCT ENGINEERING						

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

Report No. 46
Page 2 of 3

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
Т37686В	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

