

Part 21 (PAR)

Event # 47425

Rep Org: BALDOR ELECTRIC CO.	Notification Date / Time: 11/09/2011 16:19 (EST)
Supplier: BALDOR ELECTRIC CO.	Event Date / Time: 11/08/2011 (EST)
	Last Modification: 11/09/2011
Region: 1	Docket #:
City: GAINESVILLE	Agreement State: Yes
County:	License #:
State: GA	
NRC Notified by: FLOYD BUSH	Notifications: RICHARD CONTE R1DO
HQ Ops Officer: JOHN KNOKE	GEORGE HOPPER R2DO
Emergency Class: NON EMERGENCY	BRITTAIN HILL NMSS E
10 CFR Section:	Part 21 Group email
21.21 UNSPECIFIED PARAGRAPH	

MOTOR POWER LEADS UNDERSIZED

The following information was provided by Baldor Electric via facsimile:

"Description of Defect: Motor power leads are undersized, #12AWG should be #8AWG. [Baldor] corrected the electrical design where the lead size is specified.

"Advice Related to Defect: Motors in service are not at risk unless held at locked rotor for more than 8 seconds. Normal operation, with instantaneous inrush while starting and running at loads as high as 40% locked rotor torque as name-plated, will not result in a failure. Holding the shaft blocked for 10 seconds could result in lead failure. Baldor-Reliance recommends changing the motors out as soon as convenient, i.e. during next outage. Any motors in storage should be replaced ASAP for future use.

"Part/Component Name: Actuator Motors Limitorque P/N R-402-FO6-582100A20

"Location Of All Units:

- 1) AREVA or PSE&G
- 2) AREVA or PSE&G
- 3) Baldor Electric, Gainesville, GA"

IE19

EAT DOR

A MEMBER OF THE ADI GROUP

Floyd C. Bush •
Navy/Nuclear QC Mgr



To: NRC Operations Center **Fax:** 301-816-5151

From: Floyd C. Bush **Date:** 11/09/11

Re: Nuclear Nonconformance Report **Pages:** 2

CC: [Click here and type name]



Urgent For Review Please Comment Please Reply Please Recycle

Requirements of 10CFR21 reporting attached is nonconformance initiated for motors supplied
Flowserve, Lynchburg, VA for application in nuclear utilities



DATE: 11/8/11

TITLE: 10CFR21 Evaluation-NUCLEAR NONCONFORMANCE REPORT

DISTRIBUTION: Floyd Bush, Dale Graves, Jim Thigpen, Jerry Martin, Matt Price

1. Customer: Flowserve, Limitorque
PO Box 11618
Lynchburg, VA 24506

2. Purchase Order: 1) 176922 L/I 0002-QTY 2
2) 183917-QTY 1
3) 186012-QTY 1

3. Part/Component Name: Actuator Motors Limitorque P/N R-402-F06-582100A20

4. Part/Component ID#: 1) B589345-010T1, B589345-010T2
2) B733517-010T1
3) B766515-010T1

5. Quantity On Hand: B766515-010T1 Shipped: B589345-010T1 & T2, B733517-010T1
PO 186012 PO 176922 PO 183917

6. Location Of All Units: 1) AREVA or PSE&G
2) AREVA or PSE&G
3) Baldor Electric , Gainesville, GA

7. Date Nonconformance Ascertained: 11/8/11

8. Description of Defect/Nonconformance: Motor power leads are undersized, #12AWG, should be #8AWG

9. Corrective Action Taken: Corrected the electrical design where the lead size is specified.

10. Any Advice Related to Defect/Nonconformance: Motors in service are not at risk unless held at locked rotor for more than 8seconds. Normal operation with instantaneous inrush while starting and running at loads as high as 40% locked rotor torque as name-plated will not result in a failure. Holding the shaft blocked for 10 seconds could result in lead failure. Baldor-Reliance recommends changing the motors out as soon as convenient, i.e. during next outage. Any motors in storage should be replaced ASAP for future use.

11. Individual Completing This Report:

Floyd Bush
QA Manager, Baldor Electric Company
Gainesville, GA 30542
Fax 678-947-7308
Phone: 678-947-7311
11/9/11