



Interim Notification per 10 CFR Part 21
October 12, 2018

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555-0001
Fax: (301) 816-5151

Pursuant to 10 CFR 21.21(a)(2) this letter provides an interim report concerning an evaluation being performed by ABB Motors and Mechanical Inc. (formerly Baldor Electric Company) on three 40 ft-lb, 56 frame, 2-pole AC electric motors. The issue being evaluated pertains to the abnormal appearance of cracked paint and minor deformation around the stator pin which is located in the motor housing shell.

The three motors were supplied to Flowserve – Litorque on a single purchase order in April 2013. The issue being evaluated was identified after MOV production set-up and testing at the valve manufacturing facility. The equipment had not been supplied to a nuclear power plant and thus had not been placed into service.

The discovery date of the condition being evaluated is August 2, 2018. Evaluation of reportability cannot be completed within the initial evaluation period due to the need to perform additional inspections of motors manufactured in the same period. ABB is working with Flowserve – Litorque to expedite the additional inspections and testing. It is anticipated that this will be completed by 01/11/2019.

An initial review of ABB's records indicate that since 1998 ABB has supplied approximately 670, 56-frame AC electric motors of 40 and 60 ft-lb. to Flowserve - Litorque. Flowserve – Litorque communicated to ABB that there have been no previously reported occurrences of this issue nor any reported motor failures related to this issue.

Sincerely,

Sheldon Thomas
QA Manager, ABB Motors and Mechanical Inc.
Flowery Branch, GA 30542

Enclosure:
Interim Report Notification Information per §21.21

cc:
Jeff McConkey, Flowserve – Litorque QA Manager

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Interim Report Notification Information per §21.21***(i) Name and address of the individual or individuals informing the Commission.***

Sheldon Thomas
QA Manager
ABB Motors and Mechanical Inc.
Flowery Branch, GA 30542

(ii) Identification of the facility, the activity, or the basic component supplied for such facility which fails to comply or contains a defect.

The basic components being evaluated are Class 1E 40 ft-lb, 56 frame, 2-pole motors supplied to Flowserve - Limitorque for installation on valve actuators to be supplied into nuclear plant applications. To date, no basic components have been determined to contain a defect.

(iii) Identification of the firm constructing the facility or supplying the basic component which fails to comply or contains a defect.

The basic components being evaluated were supplied by ABB Motors and Mechanical Inc. (formerly Baldor Electric Company) ("ABB"). No basic components have been determined to contain a defect. This is an interim report.

(iv) Nature of the defect or failure to comply and the safety hazard which is created or could be created by such defect or failure to comply.

ABB was contacted by our customer Flowserve - Limitorque regarding three 40 ft-lb, 56 frame, 2-pole AC electric motors which were reported to have an abnormal visual appearance of cracked paint and minor deformation of the motor housing material around the stator pin. The motor stator pin is installed through the motor housing shell into the stator assembly. ABB's initial inspection of the three motors suggested that the deformation around the pin may have occurred when the motor was operated during actuator and/or MOV production testing. ABB is evaluating whether this abnormal condition of the stator pin interface with the motor frame constitutes a defect that could potentially affect the safety related function of the motor. To date, no basic components have been determined to contain a defect. This is an interim report.

(v) The date on which the information of such defect or failure to comply was obtained.

The discovery date of the condition being evaluated is August 2, 2018.

(vi) In the case of a basic component which contains a defect or fails to comply, the number and location of these components in use at, supplied for, being supplied for, or may be supplied for, manufactured, or being manufactured for one or more facilities or activities subject to the regulations in this part.

At this time, no basic components have been determined to contain a defect.

(vii) The corrective action, which has been, is being, or will be taken; the name of the individual or organization responsible for the action; and the length of time that has been or will be taken to complete the action.

None at this time.

(viii) Any advice related to the defect or failure to comply about the facility, activity, or basic component that has been, is being, or will be given to purchasers or licensees.

None at this time.