

framatome**Notification of 10 CFR 21 Defect****Subject:**

Notification of 10 CFR 21 Defect

Name and Address of Individual Informing the Commission:

Gayle Elliott
Deputy Director, Licensing & Regulatory Affairs
Framatome Inc.
3315 Old Forest Road
Lynchburg, Va. 24501

Title:

Failure of Relays to Change State

Identification of Basic Activity:

Eaton NBF66F Relay

Basic Activity Supplied By:

Framatome Inc.

Nature of Defect:

While performing analysis on AC Eaton NBF relays, Framatome discovered that, unless a specific application technique is utilized while applying epoxy to the pin within the crossbar, the potential for the epoxy to become foreign material is introduced. This foreign material could migrate to the area between the moving and stationary magnets, preventing the relay from completing its change of state when called upon. This condition does not occur in the de-energized direction. Framatome has not been notified of any occurrence of this condition.

A different epoxy application technique was utilized between 2008 and May of 2013 on relays provided to HB Robinson (the only customer requiring the epoxy application by Framatome). Thus, a potential for this defect is limited to those relays provided during that time period.

Defect Determination Date:

This issue was determined to be a 10 CFR 21 Defect on May 31, 2018.

Number and Location of Basic Components:

307 potentially affected safety related relays with epoxy applied to their relay pins were supplied to the H.B. Robinson nuclear plant.

~~307~~
IE19

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Corrective Actions to Date:

The application process was reevaluated and revised in 2013.

Advice related to the Defect:

Framatome is working to provide advice to the customer on the path forward related to this Defect.