

August 6, 1984

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MEMORANDUM FOR: Karl V. Seyfrit, Chief
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THRU: Matthew Chiramal, Lead Engineer
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AEOD/T418

FROM: Frank Ashe, Plant Systems Engineer
Plant Systems Unit
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SUBJECT: EVENTS INVOLVING FIRES OR OTHER RELATED ABNORMALITIES
IN MOTOR CONTROL CENTERS WITH ALUMINUM BUS BARS.

The enclosed Technical Review Report is forwarded for your information. This report identifies a degradation or failure mechanism for motor control centers. The initial concern regarding such a mechanism was that it may result in fires or other related abnormalities in Class 1E motor control centers and/or associated electrical equipment. Also, the identified mechanism may result in degradation or failure of redundant motor control centers or electrical equipment since it appears to have common cause implications.

However, based on a review of a set of events obtained from the SCSS involving motor control centers, it does not appear that this concern applies to nuclear stations in general, although it may apply to certain stations. In view of this result, we believe that further AEOD actions regarding this issue are not warranted at this time. However, should additional events similar to those which occurred at the Calvert Cliffs Station be identified, it is suggested that further AEOD actions regarding this issue be undertaken at that time.

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Frank Ashe, Plant Systems Engineer
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Enclosure:
As stated

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