

General Information or Other (PAR)

Event # 39395

Rep Org: FRAMATOME ANP Supplier: FRAMATOME ANP	Notification Date / Time: 11/22/2002 15:48 (EST) Event Date / Time: 11/22/2002 (PST) Last Modification: 11/22/2002
Region: 4 City: RICHLAND County: State: WA	Docket #: Agreement State: Yes License #:
NRC Notified by: JERALD HOLM HQ Ops Officer: CHAUNCEY GOULD Emergency Class: NON EMERGENCY 10 CFR Section: 21.21	Notifications: DALE POWERS R4 BRENT CLAYTON R3 UNSPECIFIED PARAGRAPH

THE "POWERPLEX" MONITORING SOFTWARE CONTAINS AN ERROR

The MCPR calculation using the SPCB correlation in the MICROBURN-B2 and MICROBURN-B codes and associated POWERPLEX monitoring software contains an error. The error is in the determination of the axial adjustment factor for use in the SPCB CPR correlation. This can lead to non-conservative CPR calculations when using the SPCB CPR correlation and potentially a violation of the MCPR Technical Specification operating limit since the POWERPLEX incore monitoring code may under predict the MCPR for comparison to the operating limit. This error in MICROBURN-B2 and MICROBURN-B had no impact on the operating limit itself. The POWERPLEX incore monitoring software in use at River Bend, Grand Guif, and LaSalle Unit 1 is impacted by this error.

JTE19



FRAMATOME ANP

Framatome ANP, Inc.

Fax

To NRC Operations Center

Company U.S. Nuclear Regulatory Commission

Receiving fax 301-816-5151

Telephone 301-816-5100

Date 11/22/02 Time in 1:08 PM

Pages to follow 1

From Jerald S. Holm *Jerald S. Holm*

Telephone 509-375-8142 MB RC18

Original to be mailed Via fax only

Sending fax 509-375-8775

Fax verification

Message

Please see attached notice of defect.

This facsimile transmission is intended only for the individual(s) named above. It may contain information which is legally privileged, confidential, or otherwise protected from disclosure by law. Any use of this transmission by individuals other than those named above is strictly prohibited. If you receive this transmission in error, please call the fax verification number above immediately, and mail the original transmission to us at the address set forth below. Thank you.

Framatome ANP, Inc.
 2101 Horn Rapids Road
 Richland, WA 99352
 Tel: (509) 375-8100

Operator _____
 Log No _____ Time Sent _____

Reportable Defect

(i.) *Name and address of the individual informing the Commission*

Jerald S. Holm, Manager, Product Licensing, Framatome ANP, 2101 Horn Rapids Road, Richland, WA 99352.

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

The calculation of the minimum critical power ratio (MCPR) using the SPCB CPR correlation in the MICROBURN-B2 and MICROBURN-B codes which are used in the POWERPLEX incore monitoring systems.

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

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

The MCPR calculation using the SPCB correlation in the MICROBURN-B2 and MICROBURN-B codes and associated POWERPLEX[®] monitoring software contains an error. The error is in the determination of the axial adjustment factor for use in the SPCB CPR correlation. This can lead to non-conservative CPR calculations when using the SPCB CPR correlation and potentially a violation of the MCPR Technical Specification operating limit since the POWERPLEX incore monitoring code may under predict the MCPR for comparison to the operating limit. This error in MICROBURN-B2 and MICROBURN-B had no impact on the operating limit itself.

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

Condition Report 10128 was prepared on September 25, 2002, which identified a deviation.

(vi.) *In the case of a basic component which fails to comply, the number and the location of all such components in use at, supplied for, or being supplied for one or more facilities or activities subject to the regulations in this part.*

The POWERPLEX incore monitoring software in use at River Bend, Grand Gulf, and LaSalle Unit 1 is impacted by this error.

(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.*

The affected plants have all been notified. As a compensatory measure it was recommended that the monitored MCPR be reduced by 2% at the affected plants until the affected codes could be corrected and installed in the POWERPLEX incore monitoring software. The MICROBURN-B2 and MICROBURN-B codes have subsequently been corrected and installed in the POWERPLEX incore monitoring software at each affected plant. The plants are currently operating with correct versions of the software. Each affected plant has determined that they did not exceed the Technical Specification operating limit due to this error.

(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.*

See (vii) above.

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