

# SIEMENS

June 9, 1997  
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70-1257

Document Control Desk  
ATTN: Chief, Planning, Program and Management Support Branch  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

## Interim Report of Evaluation of a Deviation Pursuant to 10 CFR 21.21(a)(2)

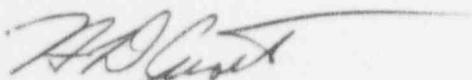
The following information is provided pursuant to the requirements of 10 CFR 21 to submit an interim report on issues that will not be completed within 60 days of discovery.

An interim report is enclosed for the following issue under evaluation by Siemens Power Corporation:

"Fraction of Power in Hot Rod for LBLOCA and SBLOCA Voided Core Calculations"

If there are any questions regarding this issue, please contact Mr. Rich Gottula at (509) 375-8221 or me.

Very truly yours,



H. Donald Curet, Manager  
Product Licensing

/smg

Enclosure

cc: E. Y. Wang (NRR/DRPM/PECB)

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## Interim Report

### Subject:

Interim report of evaluation of a deviation pursuant to 10 CFR 21.21(a)(2)

### Title:

Fraction of Power in Hot Rod for LBLOCA and SBLOCA Voided Core Calculations

### Identification of Basic Activity:

10 CFR 50.46 PWR ECCS Evaluation Model

### Basic Activity Supplied By:

Siemens Power Corporation - Nuclear Division

### Nature of Deviation:

The fraction of the power deposited in the hot rod under voided core conditions may be non-conservative

### Discovery Date:

April 21, 1997

### Corrective Actions to Date:

Nonconformance report (NCR-6090) prepared and processed by management review team as required by SPC-ND's Quality Assurance Manual, EMF-1. Analyses have been performed which demonstrate that the fraction of power deposited in  $\text{UO}_2$  fuel rods under voided core conditions is conservative, but the fraction of power deposited in gadolinia bearing fuel rods may be non-conservative. Calculations for gadolinia bearing fuel rods are in progress to verify 10 CFR 50.46(b) criteria are satisfied. This issue is judged not to be a substantial safety hazard.

### Evaluation Completion Schedule Date:

June 27, 1997