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U. S. Nuclear Regulatory Commission
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Subject: River Bend Station - Unit 1
Docket No. 50-458
License No. NPF-47
10 CFR 50.46 (a)(3)(i) Report

File Nos. G9.5

RBG-45696
RBF1-01-0071

Ladies and Gentlemen:

In accordance with 10 CFR 50.46, River Bend Station (RBS) is required to report changes to or errors discovered in acceptable ECCS evaluation models. This report is to identify a change to the evaluation model utilized to analyze the Loss-of-Coolant Accident (LOCA) for River Bend Station.

A complete Emergency Core Cooling System (ECCS) performance analysis has been performed in accordance with required analyses and assumptions given in 10CFR50 using General Electric's (GE's) NRC approved SAFER/GESTR methodology. The methodology has not been changed, but a number of input parameters have been changed. The revised LOCA ECCS performance analysis demonstrates the acceptability of these changes. The revised analysis remains conservative with respect to the current operating restraints at the station.

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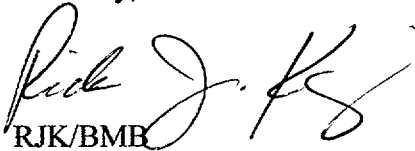
The purpose of the revised analysis is to utilize conservative ECCS parameters while still meeting the 10CFR 50.46 requirements with reasonable margins. Technical Specifications associated with these parameters remain unchanged as a result of the revised analysis. No actual changes to system design were implemented; changes were in the analysis only. Examples of the conservative input parameter changes in the High Pressure Core Spray System (HPCS) in this revised LOCA Analysis are summarized below. Similar changes to the Low Pressure Core Injection and Low Pressure Core Spray systems were also made in the analysis.

- Delayed HPCS initiation time from 27 to 57 seconds
- Reduced HPCS flow by 9 %
- Reactor Water Level 2 reduced by 11 inches

The effect of these changes is an increase in the peak clad temperature (PCT) from 1300°F to a new Licensing Basis PCT of 1560°F which remains well below the required PCT limit of 2200°F. The change to the SAFER/GESTR LOCA analysis results will be incorporated into the upcoming River Bend Station USAR update.

There are no commitments in this letter. For further information, contact Mr. B. M. Burmeister at (225) 381-4148.

Sincerely,



RJK/BMB

cc: Mr. Robert Moody
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