



**Tennessee Valley Authority, Post Office Box 2000, Spring City, Tennessee 37381-2000**

OCT 20 2005

10 CFR 50.4

U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D.C. 20555-0001

Gentlemen:

In the Matter of ) Docket No. 50-390  
Tennessee Valley authority )

WATTS BAR NUCLEAR PLANT (WBN) UNIT 1 - NRC INSPECTION REPORT  
NO. 05000390/2005013; PRELIMINARY GREATER THAN GREEN FINDING;  
WATTS BAR NUCLEAR POWER PLANT - SUBMITTAL OF REGULATORY  
CONFERENCE MEETING PACKAGE - SUPPLEMENT

In a letter dated October 18, 2005, TVA provided the subject Regulatory Conference Meeting Package. Attached are three errata pages for the subject presentation.

If you have any questions concerning this matter, please call me at (423) 365-1824.

Sincerely,

*[Signature]*

P. L. Pace  
Manager, Site Licensing  
and Industry Affairs

Enclosure  
cc: See Page 2

IED1

U.S. Nuclear Regulatory Commission  
Page 2

**OCT 20 2005**

Enclosure  
cc (Enclosure)

NRC Resident Inspector  
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Mr. D. V. Pickett, Project Manager  
U.S. Nuclear Regulatory Commission  
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U.S. Nuclear Regulatory Commission  
Region II  
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Enclosure

## **Difference No. 3**

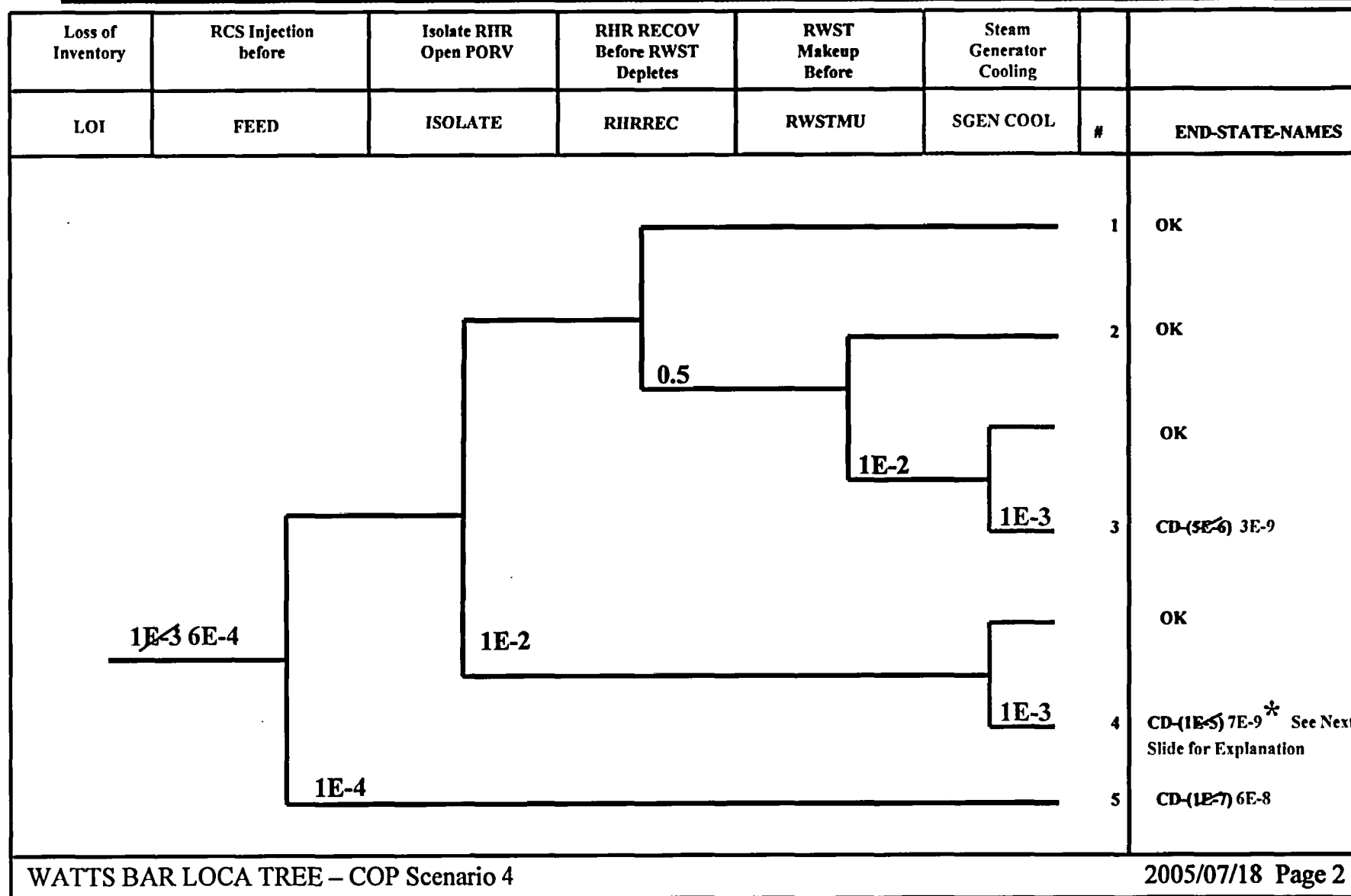
### **Available RHR Suction Relief Valve**

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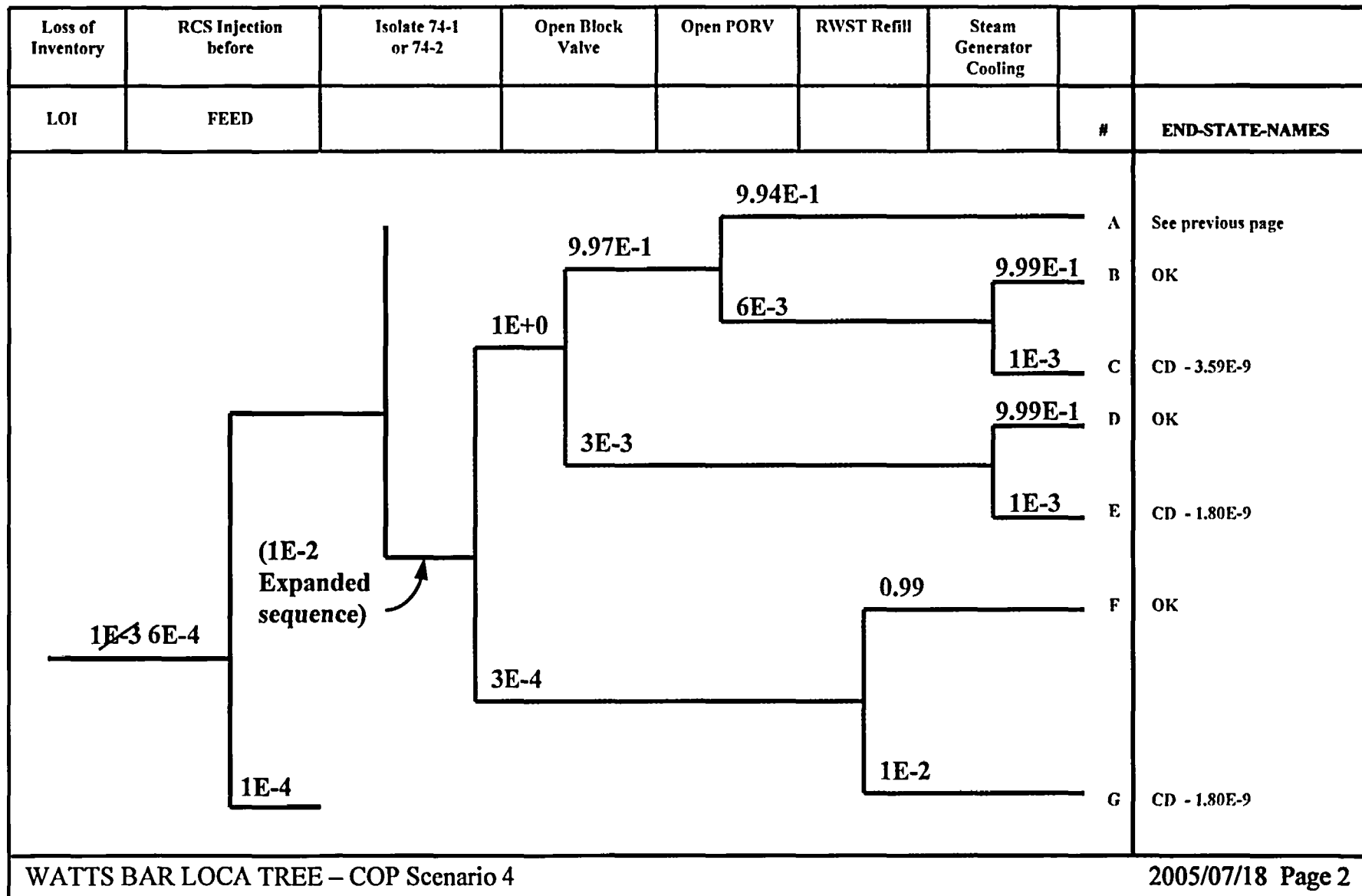


- NRC RHR relief valve failure probability 1E-3
  - No specific data in NRC SPAR model for small relief valves
  - NRC selected “similar valve” - pressurizer code safety
  - Pressurizer code safety designed to lift at 2485 psig and 680°F.
  - Pressurizer code safety challenged by adverse conditions
  
- TVA RHR relief valve failure probability 2.42 E-5
  - TVA used PLG-0500, “Database for Probabilistic Risk Assessment for Light Water Nuclear Power Plants” in IPE
  - NRC staff evaluation of IPE documented in SER dated October 5, 1994
  - SER specifically recognizes PLG-0500, “Database for Probabilistic Risk Assessment for Light Water Nuclear Power Plants”
  - PLG database reviewed by NRC – NUREG/CR5606 – concluded database was extensive and “state of the art”
  
- Conclusion: WBN value is Current Licensing Basis for this component

# “Adjusted” NRC Event Tree



# **“Adjusted” NRC Event Tree Expanded 1E-2 Path**



Total 7E-9