

January 15, 2003

MEMORANDUM TO: Gary M. Holahan, Director
Division of Systems Safety and Analysis
Office of Nuclear Reactor Regulation

FROM: Farouk Eltawila, Director **Original signed by F. Eltawila**
Division of Systems Analysis and Regulatory Effectiveness
Office of Nuclear Regulatory Research

SUBJECT: PROGRESS IN COMPLETION OF USER NEED FOR CONTAINMENT
ANALYSIS

Reference: Memorandum from S. Collins to A. Thadani, Director, "User Need for
Containment Analysis," dated December 12, 2001

As indicated in the reference memorandum, NRR requested that RES upgrade the CONTAIN 2.0 code by providing pre- and post-graphical processors. We have now completed the post-processor portion for the code. Therefore, attached (CD) is the modified CONTAIN code as well as a modified ACGRACE code. The ACGRACE code contains the requested data extraction and post-processing features. Note that the ACGRACE tool is part of SNAP (Symbolic Nuclear Analysis Package), which is an effort to implement a standard graphical user interface for certain RES supported thermal-hydraulic and severe accident simulation codes. Use of this post-processor should result in improvements in effectiveness and efficiency.

Also, included in the CD are the installation instructions. We welcome your feedback after using this upgraded version so that we may further improve the code if needed. If there are follow-up issues concerning this matter or difficulties in installing this version of the code, please contact Chester Gingrich (415-6780).

We plan to complete the CONTAIN pre-processing capabilities in the Fall of 2003. Moreover, it is our intent to address follow-up code refinements based on NRR testing and code application experience. Accordingly, we intend to maintain close contact with the NRR cognizant staff.

Attachment: CD

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