

March 22, 2001

MEMORANDUM TO: Jerry Wermiel, Branch Chief  
Reactor Systems Branch  
Division of Systems Safety and Analysis  
Office of Nuclear Reactor Regulation

THRU: Jack Rosenthal, Acting Chief **/RA/**  
Safety Margins and Systems Analysis Branch  
Division of Systems Analysis and Regulatory Effectiveness  
Office of Nuclear Regulatory Research

FROM: Jennifer L. Uhle **/RA/**  
Safety Margins and System Analysis Branch  
Division of System Analysis and Regulatory Effectiveness  
Office of the Nuclear Regulatory Research

SUBJECT: SNAP BETA 1.0

Attached is a CD with the SNAP code. Full RELAP5 functionality is provided and the Post-Processor can be used with TRAC-M. Restart capability will be implemented in Spring 2001.

Please note that to run with RELAP5, a new version of RELAP5 3.2.2 Gamma must be installed which allows the Post-Processor to communicate with the code. Null differences should be generated with respect to the original RELAP5 3.2.2 Gamma.

We have already uploaded the code to nrr1 in January but have improved the distribution to include:

Tutorials  
User Manuals  
Post-Processor PWR mask  
XMGR5 (consistent with the Post-Processor interface)  
Simplified Installation Instructions

Please note that the RELAP5 AP600 deck is one of the problems in the test suite, so it has been thoroughly exercised. We hope that SNAP can assist you in the construction of the AP1000 decks. Since we have added a considerable amount of functionality, please contact us if you would like to having a training workshop on SNAP.

Attachment: As stated

cc Ralph Caruso, NRR/DSSA/SRXB

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Attachment: As stated **(NOT IN PUBLICLY AVAILABLE IN ADAMS)**

cc w/o att.: Ralph Caruso, NRR/DSSA

Distribution w/o att.: SMSAB R/F  
JUhle R/F DSARE/R/F PNorian

C:\snapnrr.wpd

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