

Sandia National Laboratories

Albuquerque, New Mexico 87185

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WM Project 10,11,16

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Distribution:

MS WESC

(Return to V&A, 623-SS)

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Ms. M. J. Wise  
High-Level Waste Licensing  
Management Branch  
U.S. Nuclear Regulatory Commission  
7915 Eastern Avenue  
Silver Spring, MD 20910

Dear Ms. Wise:

As we have mentioned in previous monthly reports, expansion of the G-array in SWIFT would allow the user to run larger (in terms of the number of grids) problems with the code. Because of the internal structure of SWIFT, the most efficient way to increase the problem size is to increase the number of elements in the G-array. Limitations on the array size in the computers used to run the code (e.g., CDC 7600) force the G-array to be split into several large arrays (each of these new arrays would be equal to the size of the G-array in the 4.81 version of SWIFT). We feel that increasing the problem size by expanding the G-array into three separate large arrays is useful in that it would extend the capabilities of the SWIFT code.

Sincerely,

*Leonard E. Duda*

Leonard E. Duda  
Fuel Cycle Risk Analysis  
Division 6413

LED:6413:flp

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