

JUL 29 1993

Mr. Ray Wassel, Director  
Environmental Sciences  
and Engineering Program  
National Research Council  
2101 Constitution Avenue  
Washington, DC 20418

Dear Mr. Wassel:

Enclosed are the 8 copies of NUREG/CR-3964: "Techniques for Determining Probabilities of Events and Processes Affecting the Performance of Geologic Repositories", Volumes 1 and 2, which you had requested. Volume 1 (edited by R.L. Hunter and C.J. Mann) provides background literature reviews, while Volume 2 (Apostolakis, et al.) offers suggested approaches to the determination of probabilities for events and processes.

The work contained in this report constitutes part of the NRC's ongoing efforts to investigate the safety of high-level waste repositories, including the issue of potential human intrusion. As such, the NRC does not feel that these documents are definitive in nature nor do they preclude additional NRC studies in the area of human intrusion. The documents were prepared by Sandia National Laboratories under contract to the NRC; the information presented in them represents the views of the authors and does not necessarily represent the views of the NRC or the NRC staff.

If the NRC can provide further assistance to the Academy, please do not hesitate to call.

Sincerely,

*151*  
Margaret V. Federline, Chief  
Hydrology and Systems Performance Branch  
Division of High-Level Waste Management  
Office of Nuclear Materials Safety  
and Safeguards

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