

MAR 24 1988

DGAL 3/24 M2 CRANWELL

- 1 -

Dr. Robert M. Cranwell, Supervisor  
Waste Management Systems  
Division 6416  
Sandia National Laboratories  
Albuquerque, NM 87185

SUBJECT: REVISION OF DRAFT NUREG/CR-3964, "TECHNIQUES FOR ESTIMATING  
PROBABILITIES OF EVENTS AND PROCESSES AFFECTING THE PERFORMANCE OF  
GEOLOGIC REPOSITORIES: A LITERATURE REVIEW"

Dear Dr. Cranwell:

On the basis of NRC staff comments on draft NUREG/CR-3964, "Techniques for estimating probabilities of events and processes affecting the performance of geologic repositories: a literature review", and discussion with the Principal Investigators at Sandia currently responsible for completion of this Task 3 NUREG report under FIN A-1165, I would like to request that four chapters be deleted from the final version of the report. These are chapters 3, 4, 5, and 10, on thermomechanical effects, tunneling and mining engineering, hydrology, and geochemistry, respectively. Other parts of the report (e.g., the executive summary and introduction) will need to be revised in accordance with this request. As per my discussions with you and your staff, Task 3 work should focus on initiating events and processes external to the mined repository. Hence, the subject chapters are considered inappropriate in this report. It is expected that some of the deleted material may be of use in completing other reports under Task 2 of FIN A-1165.

This letter is to confirm in writing conversations we originally had about six months ago, and which we have since repeated on several occasions. The action taken by this letter is to be considered within the scope of the current contract (FIN A-1165). No changes to cost or delivery of contracted products are authorized. Please notify me immediately if believe this letter would result in a change to the cost or delivery of contracted products.

Sincerely,

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Daniel A. Galson, Project Manager  
Operations Branch  
Division of High-Level Waste Management  
Office of Nuclear Material Safety  
and Safeguards

cc: N. Ortiz, Division 6410, SNL  
E. Bonano, Division 6416, SNL  
P. Davis, Division 6416, SNL

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FROM: Galson, HLOB  
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