

bcc: W. Stratton, LASL
 A. Postma
 R. Ritzman, SA
 S. Loyalka, UM
 B. Grenier, NRC
 S. Boyd, NRC
 Public Document Room

MAR 02 1982

Professor Will Castleman
 University of Colorado
 Chemistry Department
 Box 215
 Boulder, CO 80309

Dear Prof. Castleman:

SUBJECT: PEER REVIEW OF DRAFT REPORT ON "INTERIM SOURCE TERM ASSUMPTIONS FOR EMERGENCY PLANNING AND EQUIPMENT QUALIFICATIONS"

In June 1981, the NRC published a report (NUREG-0772) on the "Technical Bases for Estimating Fission Products Behavior During LWR Accidents." In a companion report (NUREG-0771), it was recommended that realistic assumptions and methods should be used in the analyses of accidents postulated for emergency planning and equipment qualification. Pursuant to this recommendation, NRC subsequently contracted Oak Ridge National Laboratory to develop interim assumptions and methods for developing best estimate accident source terms for use in emergency planning and equipment qualification applications.

The ORNL has completed the contracted study, and is in the process of preparing a draft report on this subject. Because of your expertise in the subject area, the NRC invites you to participate in a peer review of this report.

In anticipation of your participation, I have asked that a draft of the ORNL report be mailed to you during the first week of March, 1982. I would appreciate receiving your comments on the draft report at a peer review meeting to be held in Bethesda, Md., on March 18, 1982. Limited funds are available to defray your expenses of travel. Please contact R. O. Chester at ORNL, Telephone (615) 576-2103 or FTS 626-2103, to obtain prior approval of your travel expenses, and to discuss the reimbursement arrangements.

Sincerely,

Original signed by
 L. G. Hulman, Chief
 Accident Evaluation Branch
 Division of Systems Integration, NRC
 Office of Nuclear Reactor Regulation

8212080626 820302
 PDR NUREG
 0772 C PDR

cc: R. O. Chester, ORNL

RD-25
 PEER
 REVIEW

OFFICE	DSI:AEB	DSI:AEB	DSI:AEB			
SURNAME	MThadani	WFPasedag	LGHu			
DATE	3/1/82	3/1/82	3/ /82			