

12/84
Professor Herman Freshbach
Department of Physics
MIT 6-113
Cambridge, MA 02139

Dear Professor Freshbach:

Enclosed are the following documents about the Severe Accident Source Term Reassessment.

- (1) Transcripts and presentations from the January 1983 Peer Review Meeting
- (2) Transcripts and presentations from the May 1983 Peer Review Meeting
- (3) Transcripts and presentations from the July 1983 Peer Review Meeting
- (4) Transcripts and presentations from the October 1983 Peer Review Meeting
- (5) Severe Fuel Damage Test Series, Severe Fuel Damage Scoping Test, Quick Look Report. EG&G
- (6) Severe Fuel Damage Test 1-1 Quick Look Report. EG&G
- (7) Review of Computer Models of Containment Aerosol Deposition. S. Beal, ACRS/ARC
- (8) NUREG/CR-2921, Chemical Interactions of Tellurium Vapors with Reactor Materials. K. Sallach, Sandia National Laboratory
- (9) A Discussion of the Concept of a Deposition Velocity. D. Powers, Sandia National Laboratory
- (10) NUREG/CR-3246, Studies of Fission Product Scrubbing Within Ice Compartments. W. Winegardner, Pacific Northwest Lab

- (11) BMI-2104 Vol. I. Radionuclide Release Under Specific Accident Conditions, PWR Large Dry Containment. Battelle Columbus Lab
- (12) BMI-2104 Vol. II Radionuclide Release Under Specific Accident Conditions, BWR Mark I Design. Battelle Columbus Lab
- (13) BMI-2104 Vol. III Radionuclide Release Under Specific Accident Conditions. BWR Mark III Design
- (14) Directory to Documents on the Severe Accident Source Term Reassessment. (the directory indicates where subjects are discussed.)

The enclosed documents are the major documents in the Source Term Reassessment. Of these documents, the BMI-2104 reports and the transcripts are most important. The remaining documents are for background information.

You should have received a report on the Code Validation Study from Oak Ridge National Laboratory. This, too, is an important document.

Additional documents on background information have not been sent to you. The documents are listed in the Directory. If you require these documents or have questions, contact myself, Chris Ryder, (301) 427-4337, U.S. NRC, or Kamal Arzj, (C17) 495-3357, American Physical Society.

Sincerely yours,



Christopher P. Ryder
Accident Source Term Program Office
Office of Nuclear Regulatory Research
U.S. Nuclear Regulatory Commission

Enclosures: As stated