



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

See

MEMORANDUM FOR: Members of the APS Study Group  
FROM: Christopher P. Ryder  
ASTPO/NRC  
SUBJECT: USER MANUALS

Enclosed are the following manuals for codes used in the BMI-2104 source term analyses.

(1)	MARCH 2	October 21, 1983
(2)	MERGE	February 10, 1984
(3)	NAUA Mod 4	Undated
(4)	TRAP-MELT	January 1979 NUREG/CR-0632
(5)	QUICK	May 1981 NUREG/CR-2105

Sincerely,

Christopher P. Ryder  
ASTPO/NRC

Enclosures: As stated

Professor Richard Wilson  
Physics Department  
Harvard University  
Cambridge, MA 02138

Dear Professor Wilson:

These reports are about the NRC research projects for fiscal year 1984:

Enclosure 1 - Information on Computer Codes Related to the Source Term Reassessment

Enclosure 2 - The NRC Analysis for Severe Accidents in LWRs

Enclosure 3 - Brief Description of Related Research Projects

Enclosure 4 - Project and Budget Proposal for NRC Source Term Related Research Projects (Form 189)

Enclosure 2 may be of particular interest to you.

Sincerely,

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

Enclosures: As stated

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Dr. Kamal Araj  
Physics Department  
Harvard University  
Cambridge, MA 02138

Dear Dr. Araj,

As you requested, enclosed are the following items:

- (1) Meeting summary for the Molten - Core Coolant Interaction Research Review Group. June 4 and 5, 1984. New Orleans, LA.
- (2) Review of IDCOR paper from Harper's Ferry meeting
  - (a) Comments on IDCOR report 14.1A
  - (b) Presentations by R. Henry on IDCOR subtask 14.1
- (3) "Calculation for PWR Standard Problem 1 and 2 with Direct Heating."  
D. William and K. Bergeron, Sandia.
- (4) Video tape showing steam explosion tests.

Return video tape to me when you are finished.

Sincerely,

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

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Dr. Kamal Araj  
Physics Department  
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Dr. Kamal Araj  
Department of Physics  
Harvard University  
Cambridge, MA 02138

Dear Dr. Araj:

Enclosed is a draft report on the PWR Standard Problem - Ice Condenser Design. This report was prepared by the Battelle Columbus Laboratory.

Sincerely,

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

Enclosure: As stated

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