



OFFICE OF THE  
SECRETARY

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

IN RESPONSE, PLEASE  
REFER TO: M850403A

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April 23, 1985

MEMORANDUM FOR: William J. Dircks, Executive Director  
for Operations  
FROM: John C. Hoyle, Assistant Secretary  
SUBJECT: STAFF REQUIREMENTS - BRIEFING ON SOURCE TERM,  
9:30 A.M., WEDNESDAY, APRIL 3, 1985, COMMIS-  
SIONERS' CONFERENCE ROOM, D.C. OFFICE (OPEN TO  
PUBLIC ATTENDANCE)

The Commission met with representatives of non-industry and industry groups to hear their views on the subject of source terms. The following persons made presentations to the Commission:

Dr. Susan Niemczyk, Consultant  
Environmental Policy Institute

Richard Vogel  
Electric Power Research Institute

Steven Aftergood  
Committee to Bridge the Gap

Steven Sholly  
Union of Concerned Scientists

Dan Hirsch, Director  
Adlai Stevenson Program on Nuclear Policy  
University of California, Santa Cruz

Peter Bieniarz  
Risk Assessment Associates

Richard Deem  
New York Power Authority

Edward A. Warman  
Senior Consulting Engineer  
Stone and Webster

The Commission requested NRC staff to provide historical information on instances when containment building isolation was not achieved, e.g., when isolation valves and doors into reactor containment vessels were known to have been left open. Staff should include such information as the cause, nature and size of the opening, the time it was left open, and whether the vent path was into the auxiliary building or elsewhere. In addition, the above should include the staff's current position on allowing containment purge while the plant is operating and the extent of licensee compliance with the staff's position. The Commission further requested staff to develop probabilities on loss of containment isolation as a result of such factors as failure to close isolation valves, and/or the existence of unknown pre-existing holes. Specifically, the staff should provide analysis of and values for "P" (the WASH-1400 conditional probability of containment failure resulting from inadequate isolation of containment openings and penetrations) considering containment type, and historical development.

(NRR)

(SECY Suspense: 5/15/85)

Commissioner Zech requested staff to provide a summary of the views presented to the Commission during this meeting and a plan of action or recommendations to be considered at an early date.

(NRR)

(SECY Suspense: 5/3/85)

Chairman Palladino requested that staff factor the issues discussed during this meeting into the source term documents which are currently being developed for presentation to the Commission during June, 1985.

(NRR)

(SECY Suspense: 6/3/85)

cc: Chairman Palladino  
Commissioner Roberts  
Commissioner Asselstine  
Commissioner Bernthal  
Commissioner Zech  
Commission Staff Offices  
PDR - Advance  
DCS - 016 Phillips