

April 13, 2005

Dr. Rosa L. Yang, Director  
Fuel Reliability Science and Technology Division  
Electric Power Research Institute  
P.O. Box 10412  
Palo Alto, CA 94303

Dear Dr. Yang:

As the principal partner in our cooperative research program on cladding behavior at Argonne National Laboratory (ANL), we are sending you an initial draft of ANL's description of an embrittlement correlation for cladding from high-burnup fuel. During our February 2005 meeting on loss-of-coolant accident behavior, I committed to providing you with this information when it became available.

Eventually, this information will be incorporated in a NUREG/CR report and will be provided to the Office of Nuclear Reactor Regulation (NRR). The report, which is currently scheduled for completion in September, will focus on the experimental results of the ANL program. Although we have informally discussed this information with NRR, a regulatory position has not yet been established. By copy of this letter, the attached information will be made available to other partners in the ANL program and also placed in NRC's ADAMS document system for reference by interested members of the public.

Sincerely,

*/RA/*

Ralph Meyer, Senior Technical Advisor  
Safety Margins and Systems Analysis Branch  
Division of Systems Analysis  
and Regulatory Effectiveness  
Office of Nuclear Regulatory Research

Attachment: As stated

cc: Bert Dunn, Framatome ANP  
David Mitchell, Westinghouse

April 13, 2005

Dr. Rosa L. Yang, Director  
Fuel Reliability Science and Technology Division  
Electric Power Research Institute  
P.O. Box 10412  
Palo Alto, CA 94303

Dear Dr. Yang:

As the principal partner in our cooperative research program on cladding behavior at Argonne National Laboratory (ANL), we are sending you an initial draft of ANL's description of an embrittlement correlation for cladding from high-burnup fuel. During our February 2005 meeting on loss-of-coolant accident behavior, I committed to providing you with this information when it became available.

Eventually, this information will be incorporated in a NUREG/CR report and will be provided to the Office of Nuclear Reactor Regulation (NRR). The report, which is currently scheduled for completion in September, will focus on the experimental results of the ANL program. Although we have informally discussed this information with NRR, a regulatory position has not yet been established. By copy of this letter, the attached information will be made available to other partners in the ANL program and also placed in NRC's ADAMS document system for reference by interested members of the public.

Sincerely,

**/RA/**  
Ralph Meyer, Senior Technical Advisor  
Safety Margins and Systems Analysis Branch  
Division of Systems Analysis  
and Regulatory Effectiveness  
Office of Nuclear Regulatory Research

Attachment: As stated

cc: Bert Dunn, Framatome ANP  
David Mitchell, Westinghouse

Package: ML051010270  
Attachment: ML051010265

Distribution w/o att.: SMSAB R/F DSARE R/F

E:\Filenet\ML050980045.wpd

\*See previous concurrence

OAD in ADAMS? (Y or N) Y ADAMS ACCESSION NO.: ML050980045 TEMPLATE NO. RES-006

Publicly Available? (Y or N) Y DATE OF RELEASE TO PUBLIC 4/22/05 SENSITIVE? N

To receive a copy of this document, indicate in the box: "C" = Copy without enclosures "E" = Copy with enclosures "N" = No copy

OFFICE	SMSAB*	C:SMSAB	D:DSARE*	SISP Review *
NAME	RMeyer:dpv/mb	PBaranowsky by R. Hogan for	FEltawila	HScott
DATE	4/8/05	4/11/05	4/13/05	4/12/05