

July 15, 2003

MEMORANDUM TO: Stephen Dembek, Chief, Section 2  
Project Directorate IV  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

FROM: Brian Benney, Project Manager, Section 2 **/RA/**  
Project Directorate IV  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

SUBJECT: FORTHCOMING **CLOSED** MEETING WITH WESTINGHOUSE  
ELECTRIC COMPANY

DATE & TIME: Tuesday, August 5, 2003  
12:30 p.m. - 4:00 p.m.

LOCATION: U.S. Nuclear Regulatory Commission  
One White Flint North  
11555 Rockville Pike, Room O-7B2  
Rockville, Maryland

PURPOSE: Presentation for the NRC staff on WCAP-16009-P, Revision 0, "Realistic Large-Break LOCA Evaluation Methodology Using the Automated Statistical Treatment of Uncertainty Method (ASTRUM)" (see attached agenda).

PARTICIPANTS: Participants from the NRC include members of the Office of Nuclear Reactor Regulation

NRC  
S. Dembek, et al.

WESTINGHOUSE  
J. Sechrist, et al.

Project No. 700

Attachment: Agenda (ADAMS Accession No. ML031950541)

cc w/att: See next page

MEETING CONTACT: Contact Brian Benney  
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**ON AUGUST 5, 2003**

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Westinghouse Electric Company

Project No. 700

cc:

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Westinghouse Electric Company  
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Mr. H. A. Sepp, Manager  
Regulatory and Licensing Engineering  
Westinghouse Electric Company  
P.O. Box 355  
Pittsburgh, PA 15230-0355

## AGENDA

### DISCUSSION OF WESTINGHOUSE TOPICAL REPORT

#### WCAP-16009-P, REVISION 0, "REALISTIC LARGE-BREAK LOCA EVALUATION METHODOLOGY USING THE AUTOMATED STATISTICAL TREATMENT OF UNCERTAINTY METHOD (ASTRUM)"

AUGUST 5, 2003

1. Overview of ASTRUM within CSAU Framework
  - Requirements and Code Capabilities (Element 1)
  - Assessment and Ranging of Parameters (Element 2)
  - Sensitivity and Uncertainty Analysis (Element 3)
    - Additional Parameters Considered in Uncertainty Analysis
    - Process for Determining 95/95 Peak Cladding Temperature
    - Calculation of Local and Core-wide Oxidation
2. Example PWR Application
  - Determination of Reference Transient
  - Uncertainty Analysis Results
3. Summary and Conclusions
4. Discussion of Review Process and Schedule