

February 5, 1997

MEMORANDUM TO: Theodore R. Quay, Director
Standardization Project Directorate
Division of Reactor Program Management, NRR

FROM: Thomas J. Kenyon, Project Manager original signed by:
Standardization Project Directorate
Division of Reactor Program Management, NRR

SUBJECT: NOTICE OF MEETING WITH WESTINGHOUSE TO DISCUSS SOURCE TERM
ISSUES ON THE AP600

DATE AND TIME: February 11 and 12, 1997
8:30 a.m. - 5 p.m.

LOCATION: Polestar
1 First Street
Los Altos, California

PURPOSE: To discuss source term issues related to the AP600. See
attached agenda.

PARTICIPANTS*: NRC Westinghouse

R. Emch	B. McIntyre
J. Lee	D. Leaver
J. Kudrick	J. Li
M. Snodderly	J. Grover
J. Sebrosky, et al.	

Docket No. 52-003

Attachment: As stated

cc w/attachment:
See next page

*Meetings between the NRC technical staff and applicants or licensees are open for interested members of the public, petitioners, intervenors, or other parties to attend as observers pursuant to "Commission Policy Statement on Staff Meeting Open to the Public," 59 Federal Register 48344, 9/20/94. However, portions of this meeting may be closed to protect Westinghouse proprietary information. Members of the public who wish to attend should contact me at (301) 415-1120.

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Westinghouse Electric Corporation

Docket No. 52-003

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AGENDA FOR AEROSOL MEETING WITH WESTINGHOUSE
FEBRUARY 11 and 12, 1997

February 11, 1997

8:30 - 9:00	J. Lee	Key Technical Licensing Issues for Aerosol Behavior in the AP600 Containment following a Design Basis Accident
9:00 - 10:00	D. Powers	Additional Analyses of Aerosol Behavior in the AP600 Containment under Postulated Accident Conditions
10:00 - 12:00	West.	Discussion of the NAUA code used by Westinghouse to calculate aerosol removal coefficients, including pedigree, customizations performed, code V&V, QA, and code inputs used and outputs obtained in calculating the aerosol removal rates.
12:00 - 1:00	Lunch	
1:00 - 5:00	West.	Discussion of the sensitivity analyses that were performed for the NAUA code used by Westinghouse to consider uncertainties in processes and parameter values
	West.	Discussion of the nodalization of the AP600 containment aerosol sedimentation area and geometry, the rationale for level of specification, and the bases for the boundary conditions for each node to determine aerosol removal coefficients.
	West.	Discussion of the rationale for assuming that the AP600 containment atmosphere would be homogeneously mixed following a postulated DBA.

February 12, 1997

8:30 - 12:00	West.	Discussion of related experimental data or published literature.
	West.	Discussion of the technical bases for the specific values for the aerosol removal coefficients for the proposed AP600 containment design following a postulated DBA.

	West.	Discussion of aerosol removal rates and associated uncertainty distribution. Discussion of the assumption that the phoretic processes are insensitive to the higher steam condensation rates at later times.
12:00 - 1:00	Lunch	
1:00 - 3:00	West.	Discussion of the applicability of the CONTAIN and NAUAHYGROS codes for predicting phenomenological effects on boundary layer depletion and on phoretic processes under harsh environmental conditions.
	West.	Discussion of the basis for the aerosol removal mechanisms used in the MAAP models for severe accidents, and how they compare to SANDIA's best estimate.
3:00 - 3:30	All	Closing remarks; Next actions

In addition, sample run(s) will be performed during the meeting using the NAUA code used by Westinghouse to calculate aerosol removal coefficients.