



Westinghouse
Electric Corporation

Energy Systems

Box 355
Pittsburgh Pennsylvania 15230-0355

NTD-NRC-94-4166
DCP/NRC0105
Docket No.: STN-52-003

June 10, 1994

Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

ATTENTION: MR. R. W. BORCHARDT

SUBJECT: AP600 PASSIVE CONTAINMENT COOLING SYSTEM LETTER REPORTS

Dear Mr. Borchardt:

Enclosed is a letter report addressing a phenomenological topic for the AP600 Passive Containment Cooling System (PCCS). This letter report is the third in a series of reports intended to provide the NRC with a status on ongoing activities associated with the validation activities for the WGOOTHIC computer code.

Enclosure 1 - Westinghouse AP600 Letter Report, "AP600 Containment Plume Investigation," May, 1993

Enclosure 2 - Non-proprietary copy of Enclosure 1

The enclosed letter report provides an evaluation of the potential for recirculation of PCCS effluent into the containment baffle region inlets. Applicable literature dealing with this phenomenon for cooling towers has been used in lieu of previously planned Wind Tunnel Phase 3 tests.

The Westinghouse Electric Corporation copyright notice, proprietary information notice, application for withholding and affidavit are attached.

This submittal contains Westinghouse proprietary information consisting of trade secrets, commercial information or financial information which we consider privileged or confidential pursuant to 10CFR2.790. Therefore, it is requested that the Westinghouse proprietary information attached hereto be handled on a confidential basis and be withheld from public disclosures.

210056

1820A

9406220363 940610
PDR ADDCK 05200003
A PDR

change: NRC PDR

Ltr. Encl.
1 1 NP

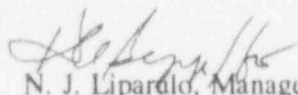
EP04

June 10, 1994

This material is for your internal use only and may be used for the purpose for which it is submitted. It should not be otherwise used, disclosed, duplicated, or disseminated, in whole or in part, to any other person or organization outside the Commission, the Office of Nuclear Reactor Regulation, the Office of Nuclear Regulatory Research and the necessary subcontractors that have signed a proprietary non-disclosure agreement with Westinghouse without the express written approval of Westinghouse.

Correspondence with respect to the application for withholding should reference AW-94-647, and should be addressed to N. J. Liparulo, Manager of Nuclear Safety Regulatory And Licensing Activities, Westinghouse Electric Corporation, P.O. Box 355, Pittsburgh, Pennsylvania, 15230-0355.

Please contact Brian A. McIntyre on (412) 374-4334 if you have any questions concerning this transmittal.



N. J. Liparulo, Manager
Nuclear Safety Regulatory And Licensing Activities

/nja

Attachments
Enclosures

cc: T. Kenyon, NRC (w/o Enclosures/Attachments)
R. Hasselberg, NRC
C. Hoxie, NRC
A. Notafrancesco, NRC
P. Boehnert, ACRS
L. Shotkin, NRC (w/o Enclosures/Attachments)
B. A. McIntyre, Westinghouse (w/o Enclosures/Attachments)

COPYRIGHT NOTICE

The reports transmitted herewith each bear a Westinghouse copyright notice. The NRC is permitted to make the number of copies of the information contained in these reports which are necessary for its internal use in connection with generic and plant-specific reviews and approvals as well as the issuance, denial, amendment, transfer, renewal, modification, suspension, revocation, or violation of a license, permit, order, or regulation subject to the requirements of 10 CFR 2.790 regarding restrictions on public disclosure to the extent such information has been identified as proprietary by Westinghouse, copyright protection notwithstanding. With respect to the non-proprietary versions of these reports, the NRC is permitted to make the number of copies beyond those necessary for its internal use which are necessary in order to have one copy available for public viewing in the appropriate docket files in the public document room in Washington, D.C. and in local public document rooms as may be required by NRC regulations if the number of copies submitted is insufficient for this purpose. Copies made by the NRC must include the copyright notice in all instances and the proprietary notice if the original was identified as proprietary.

PROPRIETARY INFORMATION NOTICE

Transmitted herewith are proprietary and/or non-proprietary versions of documents furnished to the NRC in connection with requests for generic and/or plant specific review and approval.

In order to conform to the requirements of 10 CFR 2.790 of the Commission's regulations concerning the protection of proprietary information so submitted to the NRC, the information which is proprietary in the proprietary versions is contained within brackets, and where the proprietary information has been deleted in the non-proprietary versions, only the brackets remain (the information that was contained within the brackets in the proprietary versions having been deleted). The justification for claiming the information so designated as proprietary is indicated in both versions by means of lower case letters (a) through (f) contained within parentheses located as a superscript immediately following the brackets enclosing each item of information being identified as proprietary or in the margin opposite such information. These lower case letters refer to the types of information Westinghouse customarily holds in confidence identified in Section (4)(ii)(a) through (4)(ii)(f) of the affidavit accompanying this transmittal pursuant to 10 CFR 2.790(b)(1).