

PROPRIETARY



South Texas Project Electric Generating Station P.O. Box 289 Wadsworth, Texas 77483

August 11, 2009
U7-C-STP-NRC-090094

U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
One White Flint North
11555 Rockville Pike
Rockville, MD 20852-2738

South Texas Project
Units 3 and 4
Docket Nos. 52-012 and 52-013
Follow-up Information to WCAP-17058

Reference: Letter Number U7-C-STP-NRC-090067, Mark McBurnett to NRC Document Control Desk, "Implementation of ABWR Methodology Using GOTHIC for STP 3 and 4 Containment Design Analyses," WCAP-17058-P, dated June 30, 2009.

On June 30, STPNOC transmitted the referenced topical report to provide a revised containment analysis for STP Units 3 and 4 using the GOTHIC computer code. As a result of the NRC audit on the containment pressure/temperature analysis on July 7, 2009, and to facilitate NRC review of this referenced report, STPNOC is attaching two identical, proprietary compact discs (CDs) entitled "ABWR Containment Pressure/Temperature Input and Results Data for Comparison with NRC Confirmatory Analysis Model." These CDs are not in a format that meets pre-flight requirements. Attachment 1 summarizes the information provided on each of the CDs.

The compact discs being submitted with this letter are submitted for use by the NRC solely in connection with NRC review of Westinghouse proprietary WCAP-17058-P. Since these files are proprietary in their entirety, no non-proprietary versions will be provided. The NRC may not use these CD's for any other purpose, and may not make copies of these CD's. The information on the CD's may not be made available in the Public Document Room (PDR) or in the Agency Document Access and Management Systems (ADAMS), either externally or internally. Upon completion of NRC review of WCAP-17058-P, proprietary information from, or derived from, the CD's should be irretrievably deleted from any computer outside the control of Westinghouse. Attachment 2 contains the application for withholding of proprietary information and affidavit in accordance with 10 CFR 2.390. Correspondence with respect to the copyright or proprietary aspects of the items listed above or the supporting Westinghouse Affidavit should reference letter CAW-09-2641 and should be addressed to: B. F. Maurer, Manager, ABWR Licensing, Westinghouse Electric Company LLC, P.O. Box 355, Pittsburgh, Pennsylvania 15230-0355.

DO91
LRD
STI 32513965

There are no commitments in this letter.

If you have any questions other than those relating to proprietary aspects of this response, please contact me at (361) 972-7136, or Bill Mookhoek at (361) 972-7274. If the information in this letter becomes separated from the cover page, the page is no longer proprietary.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on 8/11/09



Scott Head
Manager, Regulatory Affairs
South Texas Project Units 3 & 4

jet

Attachments:

1. List of Files on Enclosed CDs
2. Application for Withholding of Proprietary Information

Enclosure:

ABWR Containment Pressure/Temperature Input and Results Data for Comparison with NRC Confirmatory Analysis Model (Proprietary) - two copies on CD

cc: w/o attachment except*
(paper copy)

Director, Office of New Reactors
U. S. Nuclear Regulatory Commission
One White Flint North
11555 Rockville Pike
Rockville, MD 20852-2738

Regional Administrator, Region IV
U. S. Nuclear Regulatory Commission
611 Ryan Plaza Drive, Suite 400
Arlington, Texas 76011-8064

Kathy C. Perkins, RN, MBA
Assistant Commissioner
Division for Regulatory Services
Texas Department of State Health Services
P. O. Box 149347
Austin, Texas 78714-9347

Alice Hamilton Rogers, P.E.
Inspection Unit Manager
Texas Department of State Health Services
P. O. Box 149347
Austin, Texas 78714-9347

C. M. Canady
City of Austin
Electric Utility Department
721 Barton Springs Road
Austin, TX 78704

*Steven P. Frantz, Esquire
A. H. Gutterman, Esquire
Morgan, Lewis & Bockius LLP
1111 Pennsylvania Ave. NW
Washington D.C. 20004

*George F. Wunder
*Stacy Joseph
Two White Flint North
11545 Rockville Pike
Rockville, MD 20852

(electronic copy)

*George Wunder
*Stacy Joseph
Loren R. Plisco
U. S. Nuclear Regulatory Commission

Steve Winn
Eddy Daniels
Joseph Kiwak
Nuclear Innovation North America

Jon C. Wood, Esquire
Cox Smith Matthews

J. J. Nesrsta
R. K. Temple
Kevin Pollo
L. D. Blaylock
CPS Energy

WESTINGHOUSE PROPRIETARY CLASS 2

List of Files on Enclosed CD's
“ABWR Containment Pressure/Temperature Input and Results Data for Comparison
with NRC Confirmatory Analysis Model”

1. Reactor_Power (fwlb1_mslb2_mslb3).xls
Reactor power vs time data tables for:
 - a. The peak pressure FWLB case
 - b. The peak drywell temperature case main steamline break
 - c. The peak suppression pool temperature case main steamline break

2. WCAP-17058 Figures.xls
Short-term FWLB Benchmark Case
 - a. Vessel-side break flow data on Figure B-1
 - b. Vessel-side break energy data on Figure B-2
 - c. Pump-side break flow rate data on Figure B-3
 - d. Pump-side break energy data on Figure B-4
 - e. GOTHIC drywell pressure data on Figure 5-1
 - f. GOTHIC wetwell pressure data on Figure 5-2
 - g. GOTHIC drywell temperature data on Figure 5-3
 - h. GOTHIC suppression pool temperature data on Figure 5-4
 - i. Digitized DCD data on Figure 5-1
 - j. Digitized DCD data on Figure 5-2
 - k. Digitized DCD data on Figure 5-3
 - l. Digitized DCD data on Figure 5-4
Short-term MSLB Benchmark Case
 - a. Total break flow data on Figure B-5
 - b. Total break energy data on Figure B-6
 - c. GOTHIC drywell pressure data on Figure 5-5
 - d. GOTHIC wetwell pressure data on Figure 5-6
 - e. GOTHIC drywell temperature data on Figure 5-7
 - f. GOTHIC suppression pool temperature data on Figure 5-8
 - g. Digitized DCD data on Figure 5-5
 - h. Digitized DCD data on Figure 5-6
 - i. Digitized DCD data on Figure 5-7
 - j. Digitized DCD data on Figure 5-8
Short-term FWLB Peak Pressure Plant Case
 - a. Vessel-side break flow data on Figure B-7
 - b. Vessel-side break energy data on Figure B-8

WESTINGHOUSE PROPRIETARY CLASS 2

- c. ADS flow data on Figure B-9
- d. ADS energy data on Figure B-10
- e. Pump-side break flow data on Figure B-11
- f. Pump-side break energy data on Figure B-12
- g. GOTHIC drywell pressure data on Figure 7-1
- h. GOTHIC wetwell pressure data on Figure 7-2
- i. GOTHIC drywell temperature data on Figure 7-3
- j. GOTHIC suppression pool temperature data on Figure 7-4

Short-term MSLB Peak Temperature Plant Case

- a. Total break flow data on Figure B-13
- b. Total break energy data on Figure B-14
- c. GOTHIC drywell pressure data on Figure 7-5
- d. GOTHIC wetwell pressure data on Figure 7-6
- e. GOTHIC drywell temperature data on Figure 7-7
- f. GOTHIC suppression pool temperature data on Figure 7-8

Long-term MSLB Peak Suppression Pool Temperature Plant Case

- a. Total break flow data on Figure B-15 ($t < 600$ seconds)
- b. Total break energy data on Figure B-16 ($t < 600$ seconds)
- c. GOTHIC total break flow data ($t > 600$ seconds)
- d. GOTHIC total break energy data ($t > 600$ seconds)
- e. GOTHIC drywell pressure data on Figure 8-1
- f. GOTHIC wetwell pressure data on Figure 8-2
- g. GOTHIC drywell temperature data on Figure 8-3
- h. GOTHIC suppression pool temperature data on Figure 8-4
- i. GOTHIC wetwell temperature data on Figure B-5



Westinghouse Electric Company
Nuclear Services
P.O. Box 355
Pittsburgh, Pennsylvania 15230-0355
USA

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555-0001

Direct tel: (412) 374-4419
Direct fax: (412) 374-6526
e-mail: maurerbf@westinghouse.com

Our ref: CAW-09-2641

August 6, 2009

APPLICATION FOR WITHHOLDING PROPRIETARY
INFORMATION FROM PUBLIC DISCLOSURE

Subject: ABWR Containment Pressure/Temperature Input and Results Data for Comparison with NRC
Confirmatory Analysis Model

The proprietary information for which withholding is being requested in the above-referenced report is further identified in Affidavit CAW-09-2641 signed by the owner of the proprietary information, Westinghouse Electric Company LLC. The affidavit, which accompanies this letter, sets forth the basis on which the information may be withheld from public disclosure by the Commission and addresses with specificity the considerations listed in paragraph (b)(4) of 10 CFR Section 2.390 of the Commission's regulations.

Accordingly, this letter authorizes the utilization of the accompanying affidavit by South Texas Project Nuclear Operating Company.

Correspondence with respect to the proprietary aspects of the application for withholding or the Westinghouse affidavit should reference this letter, CAW-09-2641, and should be addressed to B. F. Maurer, Manager, ABWR Licensing, Westinghouse Electric Company LLC, P.O. Box 355, Pittsburgh, Pennsylvania 15230-0355.

Very truly yours,

A handwritten signature in black ink, appearing to read "B. F. Maurer".

B. F. Maurer, Manager
ABWR Licensing

G. Bacuta (NRC OWFN 12E-1)

Enclosures

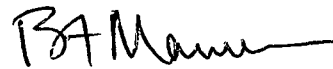
AFFIDAVIT

COMMONWEALTH OF PENNSYLVANIA:

ss

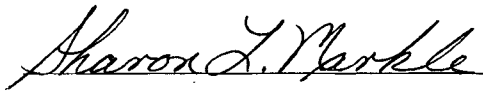
COUNTY OF ALLEGHENY:

Before me, the undersigned authority, personally appeared B. F. Maurer, who, being by me duly sworn according to law, deposes and says that he is authorized to execute this Affidavit on behalf of Westinghouse Electric Company LLC (Westinghouse), and that the averments of fact set forth in this Affidavit are true and correct to the best of his knowledge, information, and belief:

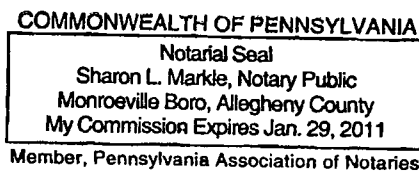


B. F. Maurer, Manager
ABWR Licensing

Sworn to and subscribed before me
this 6th day of August, 2009



Notary Public



- (1) I am Manager, ABWR Licensing, in Nuclear Services, Westinghouse Electric Company LLC (Westinghouse), and as such, I have been specifically delegated the function of reviewing the proprietary information sought to be withheld from public disclosure in connection with nuclear power plant licensing and rule making proceedings, and am authorized to apply for its withholding on behalf of Westinghouse.
- (2) I am making this Affidavit in conformance with the provisions of 10 CFR Section 2.390 of the Commission's regulations and in conjunction with the Westinghouse "Application for Withholding" accompanying this Affidavit.
- (3) I have personal knowledge of the criteria and procedures utilized by Westinghouse in designating information as a trade secret, privileged or as confidential commercial or financial information.
- (4) Pursuant to the provisions of paragraph (b)(4) of Section 2.390 of the Commission's regulations, the following is furnished for consideration by the Commission in determining whether the information sought to be withheld from public disclosure should be withheld.
 - (i) The information sought to be withheld from public disclosure is owned and has been held in confidence by Westinghouse.
 - (ii) The information is of a type customarily held in confidence by Westinghouse and not customarily disclosed to the public. Westinghouse has a rational basis for determining the types of information customarily held in confidence by it and, in that connection, utilizes a system to determine when and whether to hold certain types of information in confidence. The application of that system and the substance of that system constitutes Westinghouse policy and provides the rational basis required.

Under that system, information is held in confidence if it falls in one or more of several types, the release of which might result in the loss of an existing or potential competitive advantage, as follows:

 - (a) The information reveals the distinguishing aspects of a process (or component, structure, tool, method, etc.) where prevention of its use by any of Westinghouse's

competitors without license from Westinghouse constitutes a competitive economic advantage over other companies.

- (b) It consists of supporting data, including test data, relative to a process (or component, structure, tool, method, etc.), the application of which data secures a competitive economic advantage, e.g., by optimization or improved marketability.
- (c) Its use by a competitor would reduce his expenditure of resources or improve his competitive position in the design, manufacture, shipment, installation, assurance of quality, or licensing a similar product.
- (d) It reveals cost or price information, production capacities, budget levels, or commercial strategies of Westinghouse, its customers or suppliers.
- (e) It reveals aspects of past, present, or future Westinghouse or customer funded development plans and programs of potential commercial value to Westinghouse.
- (f) It contains patentable ideas, for which patent protection may be desirable.

There are sound policy reasons behind the Westinghouse system which include the following:

- (a) The use of such information by Westinghouse gives Westinghouse a competitive advantage over its competitors. It is, therefore, withheld from disclosure to protect the Westinghouse competitive position.
- (b) It is information that is marketable in many ways. The extent to which such information is available to competitors diminishes the Westinghouse ability to sell products and services involving the use of the information.
- (c) Use by our competitor would put Westinghouse at a competitive disadvantage by reducing his expenditure of resources at our expense.

- (d) Each component of proprietary information pertinent to a particular competitive advantage is potentially as valuable as the total competitive advantage. If competitors acquire components of proprietary information, any one component may be the key to the entire puzzle, thereby depriving Westinghouse of a competitive advantage.
 - (e) Unrestricted disclosure would jeopardize the position of prominence of Westinghouse in the world market, and thereby give a market advantage to the competition of those countries.
 - (f) The Westinghouse capacity to invest corporate assets in research and development depends upon the success in obtaining and maintaining a competitive advantage.
- (iii) The information is being transmitted to the Commission in confidence and, under the provisions of 10 CFR Section 2.390, it is to be received in confidence by the Commission.
- (iv) The information sought to be protected is not available in public sources or available information has not been previously employed in the same original manner or method to the best of our knowledge and belief.
- (v) The proprietary information sought to be withheld in this submittal is that which is appropriately marked in "ABWR Containment Pressure/Temperature Input and Results Data for Comparison with NRC Confirmatory Analysis Model, (Proprietary)" for submittal to the Commission, being transmitted by South Texas Project Nuclear Operating Company (STPNOC) letter and Application for Withholding Proprietary Information from Public Disclosure, to the Document Control Desk. The proprietary information as submitted by Westinghouse is in response to the NRC audit on the containment pressure/temperature analysis for STP 3&4 on July 7, 2009, and to facilitate the NRC's review of WCAP-17058-P.

This information is part of that which will enable Westinghouse to:

- (a) Assist the customer in obtaining NRC review of the South Texas Project Units 3 and 4 COL Application.

Further this information has substantial commercial value as follows:

- (a) Its use by a competitor would improve their competitive position in the design and licensing of a similar product for ABWR containment analyses.
- (b) The information requested to be withheld reveals the distinguishing aspects of a methodology which was developed by Westinghouse.

Public disclosure of this proprietary information is likely to cause substantial harm to the competitive position of Westinghouse because it would enhance the ability of competitors to provide similar technical evaluations and licensing defense services for commercial power reactors without commensurate expenses. Also, public disclosure of the information would enable others to use the information to meet NRC requirements for licensing documentation without purchasing the right to use the information.

The development of the technology described in part by the information is the result of applying the results of many years of experience in an intensive Westinghouse effort and the expenditure of a considerable sum of money.

In order for competitors of Westinghouse to duplicate this information, similar technical programs would have to be performed and a significant manpower effort, having the requisite talent and experience, would have to be expended.

Further the deponent sayeth not.

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 2.390 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) 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 Sections (4)(ii)(a) through (4)(ii)(f) of the affidavit accompanying this transmittal pursuant to 10 CFR 2.390(b)(1).

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 2.390 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, DC 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.