

PROPRIETARY



**Nuclear Innovation**  
North America LLC  
4000 Avenue F, Suite A  
Bay City, Texas 77414

February 14, 2011  
U7-C-NINA-NRC-110015

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  
ABWR Dryer Operating Experience for STP Units 3 and 4

Reference: Letter, Scott Head to Document Control Desk, "Response to Request for Additional Information," dated May 19, 2010 (U7-C-STP-NRC-100114)

In the referenced letter, several Flow Induced Vibration (FIV) Reports were scheduled to be submitted to support the NRC review of the South Texas Combined License Application (COLA). After further discussions with the NRC, six separate reports will be submitted during the next several weeks to summarize the STP 3/4 FIV programs and provide information to support the COLA review. The first of these six reports is the attached ABWR Dryer Operating Experience Report prepared by Toshiba Corporation and Westinghouse Electric Corporation for use at STP Units 3 and 4. The title of this report is "ABWR Dryer Operating Experience for STP Units 3 and 4," WCAP-17369, Revision 0, dated February 2011.

The proprietary version of this report (WCAP-17369-P (Proprietary)) is included as Attachment 2 to this transmittal. The non-proprietary version (WCAP-17369-NP (Non-Proprietary)) is included as Attachment 3.

As Attachment 2 contains information proprietary to Westinghouse Electric Company, LLC and Toshiba Corporation, it is supported by affidavits signed by Westinghouse and Toshiba Corporation, the owners of the information. Attachment 1 provides the Westinghouse Application for Withholding Letter CAW-11-3104 and accompanying affidavit, Toshiba Corporation Affidavit, Proprietary Information Notice, and Copyright Notice. The affidavits set 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 Section 2.390 of the Commission's regulations. Accordingly, it is respectfully requested that the information which is proprietary to Westinghouse and to Toshiba Corporation be withheld from public disclosure in accordance with

DOI  
NRC  
STI 32823477

10 CFR 2.390 of the Commission's regulations. Correspondence with respect to the copyright or proprietary aspects of the items listed above or the supporting Westinghouse and Toshiba Corporation Affidavits should reference CAW-11-3104 and should be addressed to J.A. Gresham, Manager, Regulatory Compliance, Westinghouse Electric Company LLC, Suite 428, 1000 Westinghouse Drive, Cranberry Township, Pennsylvania 16066.

When separated from the proprietary material (Attachment 2), this letter is not proprietary.

There are no commitments in this letter.

If you have any questions, please contact me at (361) 972-7136 or Bill Mookhoek at (361) 972-7274.

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

Executed on 2/14/11



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

jep

Attachments:

1. Westinghouse Application for Withholding letter CAW-11-3104 and Accompanying Affidavit, Toshiba Corporation Affidavit, and Proprietary Information Notice and Copyright Notice
2. WCAP-17369-P, Revision 0 (Proprietary)
3. WCAP-17369-NP, Revision 0 (Non-Proprietary)

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  
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Austin, Texas 78714-9347

Alice Hamilton Rogers, P.E.  
Inspection Unit Manager  
Texas Department of State Health Services  
P. O. Box 149347  
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\*Steven P. Frantz, Esquire  
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1111 Pennsylvania Ave. NW  
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\*Tom Tai  
Two White Flint North  
11545 Rockville Pike  
Rockville, MD 20852

(electronic copy)

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Loren R. Plisco  
U. S. Nuclear Regulatory Commission

Steve Winn  
Joseph Kiwak  
Jamey Seeley  
Eli Smith  
Nuclear Innovation North America

Peter G. Nemeth  
Crain, Caton and James, P.C.

Richard Peña  
Kevin Pollo  
L. D. Blaylock  
CPS Energy

**Attachment 1**

**Westinghouse Application for Withholding letter CAW-11-3104 and  
Accompanying Affidavit, Toshiba Corporation Affidavit, and  
Proprietary Information Notice and Copyright Notice**



Westinghouse Electric Company  
Nuclear Services  
1000 Westinghouse Drive  
Cranberry Township, Pennsylvania 16066  
USA

U.S. Nuclear Regulatory Commission  
Document Control Desk  
11555 Rockville Pike  
Rockville, MD 20852

Direct tel: (412) 374-4419  
Direct fax: (724) 720-0857  
e-mail: maurerbf@westinghouse.com  
Proj letter: WEC-STP-2011-0008

CAW-11-3104

February 10, 2011

APPLICATION FOR WITHHOLDING PROPRIETARY  
INFORMATION FROM PUBLIC DISCLOSURE

Subject: WCAP-17369-P, "ABWR Dryer Operating Experience for STP Units 3 and 4"

The proprietary information for which withholding is being requested in the above-referenced report is further identified in Affidavit CAW-11-3104 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 Nuclear Innovation North America (NINA).

Correspondence with respect to the proprietary aspects of the application for withholding or the accompanying affidavit should reference CAW-11-3104 and should be addressed to J. A. Gresham, Manager, Regulatory Compliance, Westinghouse Electric Company LLC, Suite 428, 1000 Westinghouse Drive, Cranberry Township, Pennsylvania 16066.

Very truly yours,

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

B. F. Maurer, Manager  
ABWR Licensing

Enclosures

cc: T. Tai (NRC TWFN 6 D38M)

AFFIDAVIT

COMMONWEALTH OF PENNSYLVANIA:

SS

COUNTY OF BUTLER:

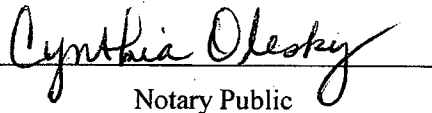
Before me, the undersigned authority, personally appeared B. F. Maurer, who, being by me duly sworn according to law, deposes and says that he is authorized to execute this Affidavit on behalf of Westinghouse Electric Company LLC (Westinghouse), and that the averments of fact set forth in this Affidavit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



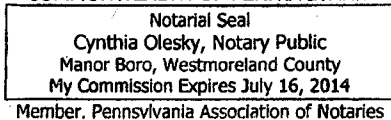
B. F. Maurer, Manager

ABWR Licensing

Sworn to and subscribed before me  
this 10th day of February 2011

  
Notary Public

COMMONWEALTH OF PENNSYLVANIA



- (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 Proprietary Information from Public Disclosure 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 WCAP-17369-P, "ABWR Dryer Operating Experience for STP Units 3 and 4" (Proprietary) for submittal to the Commission, being transmitted by Nuclear Innovation North America (NINA) letter and Application for Withholding Proprietary Information from Public Disclosure, to the Document Control Desk. The proprietary information as submitted by Westinghouse is to assist the NRC in the performance of a review of the South Texas Project Units 3&4 flow induced vibration program.

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) Westinghouse plans to sell the use of this information to its customers for purposes of plant specific ABWR flow induced vibration analysis for licensing basis applications.
- (b) Its use by a competitor would improve their competitive position in the design and licensing of a similar product for ABWR flow induced vibration analyses.
- (c) 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.

Affidavit for Withholding Confidential and Proprietary Information from Public Disclosure  
under 10 CFR § 2.390

UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION

In the Matter of

STP Nuclear Operating Company

Docket Nos. 52-012  
52-013

South Texas Project  
Units 3 and 4

AFFIDAVIT

I, Nobuichi Suezono, being duly sworn, hereby depose and state that I am Group Manager, Vessels & Components Engineering Group, Mechanical Technology & Design Department, Nuclear Energy Systems & Services Division, Power Systems Company, Toshiba Corporation; that I am duly authorized by Toshiba Corporation to sign and file with the Nuclear Regulatory Commission the following application for withholding Toshiba Corporation's confidential and proprietary information from public disclosure; that I am familiar with the content thereof; and that the matters set forth therein are true and correct to the best of my knowledge and belief.

In accordance with 10 CFR § 2.390(b)(ii), I hereby state, depose, and apply as follows on behalf of Toshiba Corporation:

- (A) Toshiba Corporation seeks to withhold from public disclosure the documents listed in Attachment 1 of this affidavit, and all information identified as "Proprietary Class 2" therein (collectively, "Confidential Information").
- (B) The Confidential Information is owned by Toshiba Corporation. In my position as Group Manager, Vessels & Components Engineering Group, Mechanical Technology & Design Department, Nuclear Energy Systems & Services Division, Power System Company, Toshiba Corporation, I have been specifically delegated the function of reviewing the Confidential Information and have been authorized to apply for its withholding on behalf of Toshiba Corporation.
- (C) These documents contain the information of Flow Induced Vibration (FIV) analysis for South Texas Project Units 3&4 Combined License Application to the Nuclear Regulatory Commission. These documents constituting and containing the Confidential Information are entirely confidential and proprietary to Toshiba Corporation, as indicated by the phrase "Proprietary Class 2" at the top of their cover pages.
- (D) Consistent with the provisions of 10 CFR § 2.390(a)(4), the basis for proposing that the Confidential Information be withheld is that it constitutes Toshiba Corporation's trade secrets and confidential and proprietary commercial information.

- (E) Public disclosure of the Confidential Information is likely to cause substantial harm to Toshiba Corporation's competitive position by (1) disclosing confidential and proprietary commercial information about the design, manufacture and operation systems for nuclear power reactors to other parties whose commercial interests may be adverse to those of Toshiba Corporation, and (2) giving such parties access to and use of such information at little or no cost, in contrast to the significant costs incurred by Toshiba Corporation to develop such information.

Toshiba Corporation has a rational basis for determining the types of information customarily held in confidence by it, and utilizes a system to determine when and whether to hold certain types of information in confidence.

The basis for claiming the information so designated as proprietary is 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 Toshiba Corporation's competitors without license from Toshiba Corporation 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 Toshiba Corporation, its customers or suppliers.
- (e) It reveals aspects of past, present, or future Toshiba Corporation or customer funded development plans and programs of potential commercial value to Toshiba Corporation.
- (f) It contains patentable ideas, for which patent protection may be desirable.

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

- (a) The use of such information by Toshiba Corporation gives Toshiba Corporation a competitive advantage over its competitors. It is, therefore, withheld from disclosure to protect the Toshiba Corporation competitive position.
- (b) It is information that is marketable in many ways. The extent to which such information is available to competitors diminishes the Toshiba Corporation ability to sell products and services involving the use of the information.



- (c) Use by our competitor would put Toshiba Corporation 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 Toshiba Corporation of a competitive advantage.
- (e) Unrestricted disclosure would jeopardize the position of prominence of Toshiba Corporation in the world market, and thereby give a market advantage to the competition of those countries.
- (f) The Toshiba Corporation capacity to invest corporate assets in research and development depends upon the success in obtaining and maintaining a competitive advantage.

Further, on behalf of Toshiba Corporation, I affirm that:

- (i) The Confidential Information is confidential and proprietary information of Toshiba Corporation.
- (ii) The Confidential Information is information of a type customarily held in confidence by Toshiba Corporation, and there is a rational basis for doing so given the sensitive and valuable nature of the Confidential Information as discussed above in paragraphs (D) and (E).
- (iii) The Confidential Information is being transmitted to the NRC in confidence.
- (iv) The Confidential Information is not available in public sources.
- (v) Public disclosure of the Confidential Document is likely to cause substantial harm to the competitive position of Toshiba Corporation, taking into account the value of the Confidential Information to Toshiba Corporation, the amount of money and effort expended by Toshiba Corporation in developing the Confidential Information, and the ease or difficulty with which the Confidential Information could be properly acquired or duplicated by others.

Nobuichi Suezono  
Nobuichi Suezono  
Group Manager  
Vessels & Components Engineering Group  
Mechanical Technology & Design Department  
Nuclear Energy Systems & Services Division  
POWER SYSTEMS COMPANY  
TOSHIBA CORPORATION

Jan. 21, 2011  
Date

**Attachment 1 to the Toshiba Affidavit to the NRC**  
**(Proprietary Information)**

DOCUMENTS ENCLOSED (TO BE WITHHELD FROM PUBLIC DISCLOSURE PER 2.390)

<u>Item</u>	<u>Document Description</u>	<u>Document Number</u>	<u>Rev</u>
1.	Calculation, Forcing Function Analysis Report for Lower Plenum	7B11-D001-3809-02	2
2.	Calculation, Structural Analysis Report -FIV Analysis Report (CR Guide Tube and CRD Housing)-	7B11-D001-3809-08	1
3.	Calculation, Structural Analysis Report -FIV Analysis Report (ICM Guide Tube and ICM Housing)-	7B11-D001-3809-09	1
4.	Calculation, Structural Analysis Report -FIV Analysis Report (HPCF Sparger and Coupling)-	7B11-D001-3809-10	1
5.	Calculation, Structural Analysis Report -FIV Analysis Report (Shroud)-	7B11-D001-3809-11	1
6.	Inspection Experience of Steam Dryer for ABWR	VCD-2010-000707	1

認

証

嘱託人株式会社東芝・グループ長末園暢一は、公証人の面前で、添付書面に署名した。

よって、これを認証する。

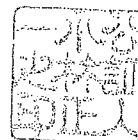
平成23年 1 月 21 日、本公証人役場において  
横浜市中区羽衣町2丁目7番地10

横浜地方法務局所属

公証人

Notary

小林 一



MASAKAZU KOBAYASHI

証 明

上記署名は、横浜地方法務局所属公証人の署名に相違ないものであり、かつ、その押印は、真実のものであることを証明する。

平成23年 1 月 21 日

横浜地方法務局長

椿

栄



- APOSTILLE

(Convention de La Haye du 5 octobre 1961)

1. Country : JAPAN

This public document

2. has been signed by MASAKAZU KOBAYASHI

3. acting in the capacity of Notary of the Yokohama District  
Legal Affairs Bureau

4. bears the seal/stamp of MASAKAZU KOBAYASHI , Notary

Certified

5. at Tokyo

6. JAN. 21, 2011

7. by the Ministry of Foreign Affairs

8. 11- NO 300642

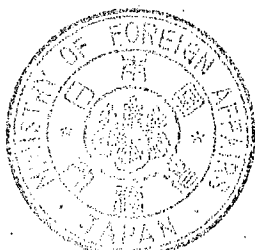
9. Seal/stamp :

10. Signature :

K. Oyabe

Kazutoyo OYABE

For the Minister for Foreign Affairs





Registered No. 7 of 2011.

Certificate of Acknowledgment of Notary

On this 21st day of January, 2011, before me, MASAKAZU KOBAYASHI, a  
notary in and for YOKOHAMA District Legal Affairs Bureau, appeared  
Nobuichi Suezono, Group Manager of TOSHIBA Corporation, who is  
personally known to me, affixed his signature to the attached document.

Witness, I set my hand and official seal.

Notary

Notary's official seal

*Masakazu Kobayashi*

MASAKAZU KOBAYASHI



Kannai-odori Notary office

2-7-10, Hagoromocho, Naka-ku, Yokohama-city, Japan.

Attached to the Yokohama District Legal Affairs Bureau.