

PMSTPCOL NPEmails

From: Cook, James W [jwcook@STPEGS.COM]
Sent: Tuesday, June 09, 2009 5:05 PM
To: Muniz, Adrian; Wunder, George
Cc: Maurer, Bradley F.
Subject: U7-C-STP-NRC-090055
Attachments: U7-C-STP-NRC-090055.pdf

Please find attached a courtesy copy of the letter to the NRC providing presentation materials from a recent meeting with the NRC. The official paper copies have been sent according to the addressee list.

If you have any questions please contact me.

James Cook

Licensing Engineer STP 3 & 4

jwcook@stpegs.com

(409)504-0337

Hearing Identifier: SouthTexas34NonPublic_EX
Email Number: 1016

Mail Envelope Properties (C7F098E3C31A0141A02043F0B8E656EE69EDF09B)

Subject: U7-C-STP-NRC-090055
Sent Date: 6/9/2009 5:05:23 PM
Received Date: 6/9/2009 5:06:09 PM
From: Cook, James W

Created By: jwcook@STPEGS.COM

Recipients:

"Maurer, Bradley F." <maurerbf@westinghouse.com>
Tracking Status: None
"Muniz, Adrian" <Adrian.Muniz@nrc.gov>
Tracking Status: None
"Wunder, George" <George.Wunder@nrc.gov>
Tracking Status: None

Post Office: exgmb1.CORP.STPEGS.NET

Files	Size	Date & Time
MESSAGE	395	6/9/2009 5:06:09 PM
U7-C-STP-NRC-090055.pdf		1253118

Options

Priority: Standard
Return Notification: No
Reply Requested: No
Sensitivity: Normal
Expiration Date:
Recipients Received:



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

~~Withhold from public
disclosure under 10 CFR 2.390~~

June 9, 2009
U7-C-STP-NRC-090055

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
Submittal of Meeting Presentation Materials

On May 20, 2009 STPNOC met with the NRC staff to discuss instrument setpoint methodology. The methodology for determining instrument setpoint values for STP 3 and 4 is the confidential commercial property of Westinghouse Electric Company. This letter provides a public version and a proprietary version of the presentation materials from the meeting.

Attachment 1 provides the slides (proprietary) STPNOC used for the setpoint methodology presentation. Attachment 2 provides the same slides with the proprietary information redacted (non-proprietary). Attachment 3 provides Westinghouse authorization letter CAW-09-2594, accompanying affidavit, Proprietary Information Notice, and Copyright Notice. Since Attachment 1 contains information proprietary to Westinghouse Electric Company LLC, it is supported by an affidavit signed by Westinghouse, the owner of the information. The affidavit 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 Section 2.390 of the Commission's regulations. Accordingly, it is respectfully requested that the information which is proprietary to Westinghouse be withheld from public disclosure 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 CAW-09-2594 and should be addressed to B. F. Maurer, Manager, ABWR Licensing, Westinghouse Electric Company LLC, P.O. Box 355, Pittsburgh, Pennsylvania 15230-0355.

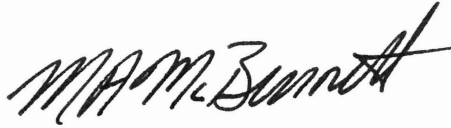
There are no commitments in this letter.

If you have any questions regarding these responses, please contact me at (361) 972-7206, or Bill Mookhoek at (361) 972-7274.

STI 32485483

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

Executed on June 9, 2009



Mark A. McBurnett
Vice President, Oversight and Regulatory Affairs
South Texas Project Units 3 & 4

jwc

Attachments:

1. Setpoint Methodology Technical Approach (Proprietary)
2. Setpoint Methodology Technical Approach (Non-proprietary)
3. Affidavit for Withholding of Proprietary Information

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

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

Regional Administrator, Region IV
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(electronic copy)

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U. S. Nuclear Regulatory Commission

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Eddy Daniels
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Jon C. Wood, Esquire
Cox Smith Matthews

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

Westinghouse Non-Proprietary Class 3

WEC-STP-2009-0012 NP-Attachment

“ABWR Setpoint Methodology Technical Approach”

June 2009

Westinghouse Electric Company LLC
P.O. Box 355
Pittsburgh, PA 15230-0355

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Westinghouse Non-Proprietary Class 3

ABWR Setpoint Methodology Technical Approach

Bobby Bakshi
Program Manager, ABWR Setpoints
Westinghouse

Westinghouse Electric Company LLC
P.O. Box 355
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Technical Approach Topics

- Westinghouse ABWR setpoint methodology overview
- Similarities and differences in methodology approaches
- Validation of WEC ABWR methodology
- Example of margin determination
- Methodology report overview

Westinghouse ABWR Methodology Overview

[] a, c

[] a, c

- Consistent with ISA 67.04.01

Similarities / Differences in Methodology Approaches

[] a, c

- BWR vs. Westinghouse ABWR Approach

- Similarities

[] a, c

- Differences

[] a, c

Validation of WEC ABWR Methodology

- Inputs for validating methodology approach



- Initial evaluations of ABWR setpoints indicate adequate margin



Validation of WEC ABWR Methodology

- Confident that methodology will show adequate margins in final design based on:

a, c

Validation of WEC ABWR Methodology

- Confident that methodology will show adequate margins in final design based on *(continued)*
 - Early in design – opportunities and time for adjustment
 - Setpoint study provides guidance for instrument procurement and specifications to reduce error

[

] a, c

WEC ABWR Setpoint Methodology Approach: Margin Determination

a, c

Example of Margin Determination – Drywell Pressure

a, c

Methodology Report Overview

- Methodology Report to be submitted under the following title:

Methodology for South Texas Project Units 3&4
ABWR Technical Specification Setpoints

- Methodology Report will include the following:
 - Term Definitions
 - Typical Values
 - Basic Combination Algorithm
 - Individual Protection Function Uncertainty Terms
 - Surveillance and Operability Determination
 - Methodology Assumptions
 - Consistency statement with regards to NRC and ISA guidance

Methodology Report

[Table](#)
[Example](#)

	a, c
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Nuclear Services
P.O. Box 355
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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-09-2594

June 5, 2009

APPLICATION FOR WITHHOLDING PROPRIETARY
INFORMATION FROM PUBLIC DISCLOSURE

Subject: "ABWR Setpoint Methodology Technical Approach" (Proprietary)

The proprietary information for which withholding is being requested in the above-referenced report is further identified in Affidavit CAW-09-2594 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-09-2594, 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', written over a horizontal line.

B. F. Maurer, Manager
ABWR Licensing

G. Bacuta (NRC OWFN 12E-1)

Enclosures

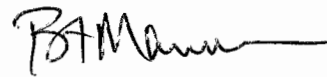
AFFIDAVIT

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:

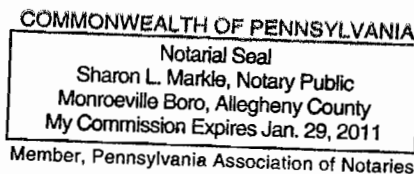


B. F. Maurer, Manager
ABWR Licensing

Sworn to and subscribed before me
this 5th day of June, 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 Setpoint Methodology Technical Approach" (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 that associated with the presentation of setpoint methodology information to the NRC on May 20, 2009 in support of the South Texas Project Units 3 and 4 COL Application.

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 setpoint methodology development for ABWR 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 setpoint methodology.
- (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 calculations 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.