



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) 374-4643
Direct fax: (412) 374-4011
e-mail: greshaja@westinghouse.com

Attention: J. S. Wermiel, Chief
Reactor Systems Branch
Division of Systems Safety and Analysis

Our ref: LTR-NRC-05-50

August 23, 2005

Subject: BEACON™ Core Monitoring System
Response to NRC's Draft Safety Evaluation By the Office Of Nuclear Reactor Regulation
Topical Report WCAP-12472-P, Addendum 3, "BEACON Core Monitoring and Operation
Support System" (Non-Proprietary)

Dear Mr. Wermiel:

Enclosed is a non-proprietary version of Westinghouse's proprietary review of NRC's Draft Safety Evaluation By the Office Of Nuclear Reactor Regulation Topical Report WCAP-12472-P, Addendum 3, "BEACON Core Monitoring and Operation Support System."

Very truly yours,

A handwritten signature in black ink, appearing to read 'J. A. Gresham', written over the typed name.

J. A. Gresham, Manager
Regulatory Compliance and Plant Licensing

Enclosure

cc: B. J. Benney, NRR
F. M. Akstulewicz, NRR
A. C. Attard, NRR
W.L. Jensen, NRR

BEACON™ trademark property of Westinghouse Electric Company LLC

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**Response to NRC's Draft Safety Evaluation
By the Office Of Nuclear Reactor Regulation
Topical Report WCAP-12472-P, Addendum 3
"BEACON Core Monitoring and Operation Support System"**

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**Response to NRC's Draft Safety Evaluation
By the Office Of Nuclear Reactor Regulation
Topical Report WCAP-12472-P, Addendum 3
"BEACON Core Monitoring and Operation
Support System" (TAC No. MC4958)**

No proprietary information was identified by Westinghouse in the NRC's Draft Safety Evaluation for WCAP-12472-P, Addendum 3. Included below are some clarifications for readability and corrections. Changes are note in italics, underline text.

1. Page 3; Line 21 "conditions than the single channel BEACON DNBR calculator. Therefore, CETOP-D will give"
Recommendation: "conditions than the single channel BEACON DNBR calculator. Therefore, CETOP-D will give BEACON and"
Reason: More correct statement.
2. Page 3; Line 32 "components will be reevaluated when the core design differs sufficiently to have an impact on"
Recommendation: "components will be reevaluated when the core fuel design or sensor characteristics differs sufficiently to have an impact on"
Reason: More correct statement.
3. Page 5; Line 35 "at C-E COLSS plants under the following combined conditions:"
Recommendation: "at C-E COLSS PWR plants under the following combined conditions:"
Reason: More correct statement.
4. Page 6; Line 16 "the application of the merged BEACON-COLSS core system, the application of CETOP-D to"
Recommendation: "the application of the merged BEACON-COLSS core monitoring system, the application of CETOP-D to"
Reason: More correct statement.