



6 January, 2000
LD-2000-0002

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

Subject: Submittal of CENPD-397-P, Rev. 01 – “Improved Flow Measurement Accuracy Using CROSSFLOW Ultrasonic Flow Measurement Technology”
[PROPRIETARY INFORMATION ENCLOSED]

References:

1. Letter, I. C. Rickard (ABB CENP) to USNRC Document Control Desk, “Submittal of CENPD-397-P, Rev. 00 – “Improved Flow Measurement Accuracy Using CROSSFLOW Ultrasonic Flow Measurement Technology,” AUGUST 23, LD-99-047
2. Letter, I. C. Rickard (ABB CENP) to USNRC Document Control Desk, “Response to NRC Request for Additional Information Supporting Topical Report CENPD-397-P Review Activities,” December 17, 1999, LD-1999-062
3. Letter, J. Cushing (NRC) to I. C. Rickard (ABB CENP), “Request for Additional Information (RAI) Regarding CENPD-397-P, Improved Flow Measurement Accuracy Using CROSSFLOW Ultrasonic Flow Measurement Technology (TAC No. MA6452),” November 19, 1999

ABB C-E Nuclear Power, Inc. (ABB CENP) submits herewith topical report CENPD-397-P, Revision 01 – “Improved Flow Measurement Accuracy Using CROSSFLOW Ultrasonic Flow Measurement Technology” for Nuclear Regulatory Commission (NRC) review and approval. Revision 01 incorporates, as necessary and appropriate, the ABB CENP responses (Reference 2) to the NRC Request for Additional Information issued on November 19, 1999 (Reference 3). CENPD-397-P, Rev 01 supercedes Rev 00, submitted via Reference 1, in its entirety; please destroy all copies of CENPD-397-P, Rev 00. In accordance with NUREG-0390, Enclosure 1 provides 15 copies (Nos. 1 to 15) of CENPD-397-P, Rev. 01 for NRC use. ABB CENP is also providing the required twelve (12) non-proprietary versions (i.e., CENPD-397-NP, Revision 01) in Enclosure 2.

ABB CENP has determined that information contained in CENPD-397-P, Revision 01 is proprietary in nature. As such, ABB CENP requests that the information contained in CENPD-397-P, Revision 01 be safeguarded and withheld from public disclosure pursuant to 10 CFR 2.790. The reasons for this determination are documented in the proprietary affidavit provided in Enclosure 3.

JAN 07 2000

ABB C-E Nuclear Power, Inc.

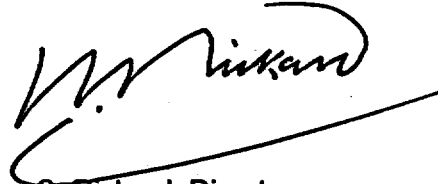
P.O. Box 500
2000 Day Hill Rd.
Windsor, CT 06095-0500

Telephone (860) 285-9678
Fax (860) 285-3253

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1/12 NP
Prop- Processed
Version separate*

If you have any questions concerning this matter, please do not hesitate to call Chuck Molnar of my staff at (860) 285-5205.

Sincerely,
ABB C-E NUCLEAR POWER, INC.

A handwritten signature in black ink, appearing to read "I. C. Rickard", written over a horizontal line.

Ian C. Rickard, Director
Nuclear Licensing

Enclosures: 1) CENPD-397-P, Revision 01 (Copy Nos. 1 to 13)
2) CENPD-397-NP, Revision 01 (12 unnumbered copies)
3) ABB CENP Proprietary Affidavit

xc: J. S. Cushing (NRC) (w/ Proprietary Copy No. 14)
I. Ahmed (NRC) (w/ Proprietary Copy No. 15)

xc: (w/o Enclosures)
R. A. Browning (DAEC)
Q. B. Chou (AMAG)
S. Dembek (NRC)
J. E. Donoghue
A. Lopez (AMAG)
E. C. Marinos (NRC)
V. Safavi-Ardebli (AMAG)
N. N. Sikka (DAEC)

Enclosure 3 to LD-2000-0002

ABB C-E Nuclear Power, Inc.

Proprietary Affidavit

for

CENPD-397-P, Rev. 01

**Improved Flow Measurement Accuracy Using Crossflow
Ultrasonic Flow Measurement Technology**

AFFIDAVIT PURSUANT
TO 10 CFR 2.790

I, Ian C. Rickard, depose and say that I am the Director, Nuclear Licensing, of ABB C-E Nuclear Power, Inc. (ABB CENP), duly authorized to make this affidavit, and have reviewed or caused to have reviewed the information which is identified as proprietary and referenced in the paragraph immediately below. I am submitting this affidavit in conformance with the provisions of 10 CFR 2.790 of the Commission's regulations for withholding this information.

The information for which proprietary treatment is sought is contained in the following document:

CENPD-397-P, Rev.01 - Improved Flow Measurement Accuracy Using CROSSFLOW
Ultrasonic Flow Measurement Technology, January 2000

This document has been appropriately designated as proprietary.

I have personal knowledge of the criteria and procedures utilized by of ABB CENP in designating information as a trade secret, privileged or as confidential commercial or financial information.

Pursuant to the provisions of paragraph (b) (4) of Section 2.790 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, included in the above referenced document, should be withheld.

1. The information sought to be withheld from public disclosure, is owned and has been held in confidence by ABB CENP. It consists of CROSSFLOW UFM System theoretical development, design, testing, validation and installation information.
2. The information consists of test data or other similar data concerning a process, method or component, the application of which results in substantial competitive advantage to ABB CENP.
3. The information is of a type customarily held in confidence by ABB CENP and not customarily disclosed to the public. ABB CENP 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 details of the aforementioned system were provided to the Nuclear Regulatory Commission via letter DP-537 from F. M. Stern to Frank

Schroeder dated December 2, 1974. This system was applied in determining that the subject document herein is proprietary.

4. The information is being transmitted to the Commission in confidence under the provisions of 10 CFR 2.790 with the understanding that it is to be received in confidence by the Commission.
 5. The information, to the best of my knowledge and belief, is not available in public sources, and any disclosure to third parties has been made pursuant to regulatory provisions or proprietary agreements that provide for maintenance of the information in confidence.
 6. Public disclosure of the information is likely to cause substantial harm to the competitive position of ABB CENP because:
 - a. A similar product is manufactured and sold by major pressurized and/or boiling water reactor competitors of ABB CENP.
 - b. Development of this information by ABB CENP required hundreds of thousands of dollars and hundreds of man-hours of effort. A competitor would have to undergo similar expense in generating equivalent information.
 - c. In order to acquire such information, a competitor would also require considerable time and inconvenience to develop a CROSSFLOW UFM System theoretical development, design, testing, validation and installation information.
 - d. The information consists of CROSSFLOW UFM System theoretical development, design, testing, validation and installation information, the application of which provides a competitive economic advantage. The availability of such information to competitors would enable them to modify their product to better compete with ABB CENP, take marketing or other actions to improve their product's position or impair the position of ABB CENP's product, and avoid developing similar data and analyses in support of their processes, methods or apparatus.
 - e. In pricing ABB CENP's products and services, significant research, development, engineering, analytical, manufacturing, licensing, quality assurance and other costs and expenses must be included. The ability of ABB CENP's competitors to utilize such information without similar expenditure of resources may enable them to sell at prices reflecting significantly lower costs.
 - f. Use of the information by competitors in the international marketplace would increase their ability to market nuclear steam supply systems,
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nuclear fuel, analyses or other support services by reducing the costs associated with their technology development. In addition, disclosure would have an adverse economic impact on ABB CENP's potential for obtaining or maintaining foreign licensees.

Further the deponent sayeth not.



Ian C. Rickard
Director, Nuclear Licensing

Sworn to before me
this 6th day of January 2000



Notary Public

My commission expires: 1/31/03

Enclosure 2 to LD-2000-0002

ABB C-E Nuclear Power, Inc.

CENPD-397-NP, Rev. 01

**Improved Flow Measurement Accuracy Using Crossflow
Ultrasonic Flow Measurement Technology**