



## GE Nuclear Energy

Nuclear Services  
175 Curtner Ave. M/C 747  
San Jose, CA 95125  
(408) 925-1913, Fax (408) 925-6710  
E-mail: george.stramback@gene.ge.com

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U.S Nuclear Regulatory Commission  
Document Control Desk  
Washington, D.C. 20852-2738

Attention: Chief, Information Management Branch  
Program Management  
Policy Development and Analysis Staff

**Subject: Supporting Lattice Information - MELLLA+ RAI AOO 6 (TAC No. MB5705)**

By Reference 1, GE provided responses to NRC requests for additional information (RAI) to support review of the Licensing Topical Report (LTR) NEDC-33006P, Revision 1, *General Electric Boiling Water Reactor Maximum Extended Load Line Limit Analysis Plus*. Subsequently, the NRC requested lattice information to support confirmatory calculations. The requested lattice information is enclosed.

Some of the enclosed information is based on the Perry Plant. Please understand that Perry Plant has not undergone an extended power uprate and that the studies which generated the enclosed information are not representative of the Perry Plant's current operations.

A proprietary compact disk is provided in Enclosure 1. The information on the compact disk is completely proprietary as defined by 10CFR2.390, and a non-proprietary version is not available because the disk contains the proprietary computer files. GE customarily maintains this information in confidence and withholds it from public disclosure.

The affidavit contained in Enclosure 2 identifies that the information contained in Enclosure 1 has been handled and classified as proprietary to GE. GE hereby requests that the information of Enclosure 1 be withheld from public disclosure in accordance with the provisions of 10 CFR 2.390 and 9.17.

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If you have any questions, please contact, Mike Lalor at (408) 925-2443 or myself.

Sincerely,



George Stramback  
Manager, Regulatory Services  
GE Nuclear Energy  
(408) 925-1913  
george.stramback@gene.ge.com  
Project No. 710

Reference:

1. MFN 04-026, Letter from G. Stramback (GE) to NRC, March 4, 2004, *Completion of Responses to MELLLA Plus AOO RAIs (TAC No. MB6157)"*

Enclosures:

1. Support Lattice Information - Compact Disk - Proprietary
2. Affidavit, George B. Stramback, dated May 7, 2004

cc: MB Fields (NRC)  
AB Wang (NRC)  
J Harrison (GE/Wilmington)  
MA Lalor (GE/San Jose)  
JF Klapproth (GE/San Jose)  
I Nir (GE/San Jose)  
LM Quintana (GE/San Jose)  
PT Tran (GE/San Jose)  
eDRF 0000-0026-8532

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Enclosure 1

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Support Lattice Information

Compact Disk

**PROPRIETARY INFORMATION NOTICE**

This enclosure contains proprietary information of the General Electric Company (GE) and is furnished in confidence solely for the purpose(s) stated in the transmittal letter. No other use, direct or indirect, of the document or the information it contains is authorized. Furnishing this enclosure does not convey any license, express or implied, to use any patented invention or, except as specified above, any proprietary information of GE disclosed herein or any right to publish or make copies of the enclosure without prior written permission of GE.

The entirety of the enclosed compact disk is proprietary. Therefore, the disk in this enclosure carries the notation "GE Proprietary Information. <sup>(3)</sup>." The superscript notation <sup>(3)</sup> refers to Paragraph (3) of the affidavit provided in Enclosure 2, which documents the basis for the proprietary determination.

Enclosure 2

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Affidavit

# General Electric Company

## AFFIDAVIT

I, **George B. Stramback**, state as follows:

- (1) I am Manager, Regulatory Services, General Electric Company ("GE") and have been delegated the function of reviewing the information described in paragraph (2) which is sought to be withheld, and have been authorized to apply for its withholding.
- (2) The information sought to be withheld is contained in Enclosure 2 to GE letter MFN 04-060, George Stramback to NRC, *Revised Response to MELLLA Plus AOO & ATWS RAIs (TAC No. MB6157)*, dated June 4, 2004. The Enclosure 1 proprietary information is the entire compact disk containing computer files.
- (3) In making this application for withholding of proprietary information of which it is the owner, GE relies upon the exemption from disclosure set forth in the Freedom of Information Act ("FOIA"), 5 USC Sec. 552(b)(4), and the Trade Secrets Act, 18 USC Sec. 1905, and NRC regulations 10 CFR 9.17(a)(4), and 2.390(a)(4) for "trade secrets" (Exemption 4). The material for which exemption from disclosure is here sought also qualify under the narrower definition of "trade secret", within the meanings assigned to those terms for purposes of FOIA Exemption 4 in, respectively, Critical Mass Energy Project v. Nuclear Regulatory Commission, 975F2d871 (DC Cir. 1992), and Public Citizen Health Research Group v. FDA, 704F2d1280 (DC Cir. 1983).
- (4) Some examples of categories of information which fit into the definition of proprietary information are:
  - a. Information that discloses a process, method, or apparatus, including supporting data and analyses, where prevention of its use by General Electric's competitors without license from General Electric constitutes a competitive economic advantage over other companies;
  - b. Information which, if used 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 of a similar product;
  - c. Information which reveals aspects of past, present, or future General Electric customer-funded development plans and programs, resulting in potential products to General Electric;
  - d. Information which discloses patentable subject matter for which it may be desirable to obtain patent protection.

The information sought to be withheld is considered to be proprietary for the reasons set forth in paragraphs (4)a., and (4)b, above.

- (5) To address 10 CFR 2.390 (b) (4), the information sought to be withheld is being submitted to NRC in confidence. The information is of a sort customarily held in confidence by GE, and is in fact so held. The information sought to be withheld has, to the best of my knowledge and belief, consistently been held in confidence by GE, no public disclosure has been made, and it is not available in public sources. All disclosures to third parties including any required transmittals to NRC, have been made, or must be made, pursuant to regulatory provisions or proprietary agreements which provide for maintenance of the information in confidence. Its initial designation as proprietary information, and the subsequent steps taken to prevent its unauthorized disclosure, are as set forth in paragraphs (6) and (7) following.
- (6) Initial approval of proprietary treatment of a document is made by the manager of the originating component, the person most likely to be acquainted with the value and sensitivity of the information in relation to industry knowledge. Access to such documents within GE is limited on a "need to know" basis.
- (7) The procedure for approval of external release of such a document typically requires review by the staff manager, project manager, principal scientist or other equivalent authority, by the manager of the cognizant marketing function (or his delegate), and by the Legal Operation, for technical content, competitive effect, and determination of the accuracy of the proprietary designation. Disclosures outside GE are limited to regulatory bodies, customers, and potential customers, and their agents, suppliers, and licensees, and others with a legitimate need for the information, and then only in accordance with appropriate regulatory provisions or proprietary agreements.
- (8) The information identified in paragraph (2), above, is classified as proprietary because the computer files contain detailed results supporting the conclusions from evaluations of the safety-significant changes necessary to demonstrate the regulatory acceptability for the expended power/flow range of MELLLA+ for a GE BWR, utilizing analytical models and methods, including computer codes, which GE has developed, obtained NRC approval of, and applied to perform evaluations of transient and accident events in the GE Boiling Water Reactor ("BWR"). The development and approval of these system, component, and thermal hydraulic models and computer codes was achieved at a significant cost to GE, on the order of several million dollars.

The development of the evaluation process along with the interpretation and application of the analytical results is derived from the extensive experience database that constitutes a major GE asset.

- (9) Public disclosure of the information sought to be withheld is likely to cause substantial harm to GE's competitive position and foreclose or reduce the availability of profit-making opportunities. The information is part of GE's

comprehensive BWR safety and technology base, and its commercial value extends beyond the original development cost. The value of the technology base goes beyond the extensive physical database and analytical methodology and includes development of the expertise to determine and apply the appropriate evaluation process. In addition, the technology base includes the value derived from providing analyses done with NRC-approved methods.

The research, development, engineering, analytical and NRC review costs comprise a substantial investment of time and money by GE.

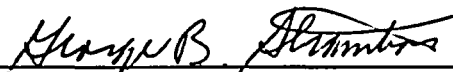
The precise value of the expertise to devise an evaluation process and apply the correct analytical methodology is difficult to quantify, but it clearly is substantial.

GE's competitive advantage will be lost if its competitors are able to use the results of the GE experience to normalize or verify their own process or if they are able to claim an equivalent understanding by demonstrating that they can arrive at the same or similar conclusions.

The value of this information to GE would be lost if the information were disclosed to the public. Making such information available to competitors without their having been required to undertake a similar expenditure of resources would unfairly provide competitors with a windfall, and deprive GE of the opportunity to exercise its competitive advantage to seek an adequate return on its large investment in developing these very valuable analytical tools.

I declare under penalty of perjury that the foregoing affidavit and the matters stated therein are true and correct to the best of my knowledge, information, and belief.

Executed on this 7<sup>th</sup> day of June 2004.

  
George B. Stramback  
General Electric Company