

Carolina Power & Light Company  
PO Box 10429  
Southport, NC 28461-0429

OCT 09 1997

SERIAL: BSEP 97-0442

U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NO. 2  
DOCKET NO. 50-324/LICENSE NO. DPR-62  
TRANSMITTAL OF CORE OPERATING LIMITS REPORT, SUPPLEMENTAL RELOAD  
LICENSING REPORT, AND LOSS-OF-COOLANT-ACCIDENT ANALYSIS REPORT

Gentlemen:

The purpose of this letter is to submit a copy of the latest revision of the Core Operating Limits Report for the Brunswick Steam Electric Plant (BSEP), Unit No. 2. The report is being submitted in accordance with Technical Specification 6.9.3.4. A copy of "Brunswick Unit 2, Cycle 13 Core Operating Limits Report, September 1997," Revision 0, is provided in Enclosure 1.

A copy of "Supplemental Reload Licensing Report for Brunswick Steam Electric Plant Unit 2 Reload 12 Cycle 13," 24A5412, Revision 0, dated August 1997, is provided in Enclosure 2. The most limiting and least limiting Maximum Average Planar Linear Heat Generation Rate (MAPLHGR) values for the new reload fuel types are provided in a table included in the Supplemental Reload Licensing Report for BSEP Unit No. 2. A plot of the limiting value of Average Planar Linear Heat Generation Rate (APLHGR), as a function of planar exposure for each reload fuel type, is included in the Core Operating Limits Report.

Enclosure 3 to this letter provides a copy of "Loss-of-Coolant Accident Analysis Report for Brunswick Steam Electric Plant Unit 2 Reload 12 Cycle 13," NEDC-31624P, Supplement 2, Revision 4, dated July 1997. This report contains MAPLHGR values for the General Electric Nuclear Energy fuel designs which have been loaded into BSEP Unit No. 2 for Cycle 13. The document contained in Enclosure 3 is considered General Electric Nuclear Energy proprietary information and should be withheld from public disclosure in accordance with 10 CFR 9.17 and 10 CFR 2.790. An affidavit supporting the request for withholding the document is provided in Enclosure 4.

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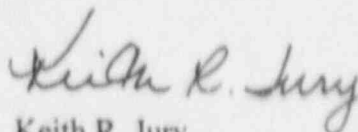
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Please refer any questions regarding this submittal to Mr. Warren J. Dorman, Supervisor  
- Licensing at (910) 457-2068.

Sincerely,



Keith R. Jury  
Manager — Regulatory Affairs  
Brunswick Steam Electric Plant

WRM/wrm

Enclosures:

1. Brunswick Unit 2, Cycle 13 Core Operating Limits Report, September 1997
2. 24A5412, Revision 0, Supplemental Reload Licensing Report for Brunswick Steam Electric Plant Unit 2 Reload 12 Cycle 13
3. NEDC-31624P, Supplement 2, Revision 4, Loss-of-Coolant Accident Analysis Report for Brunswick Steam Electric Plant Unit 2 Reload 12 Cycle 13
4. Affidavit From General Electric Nuclear Energy Regarding Withholding From Public Disclosure In Accordance With 10 CFR 2.790

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cc (with all enclosures):

U. S. Nuclear Regulatory Commission, Region II  
ATTN: Mr. Luis A. Reyes, Regional Administrator  
Atlanta Federal Center  
61 Forsyth Street, SW, Suite 23T55  
Atlanta, GA 30303

U. S. Nuclear Regulatory Commission  
ATTN: Mr. Charles N. Patterson, NR Senior Resident Inspector  
8470 River Road  
Southport, NC 28461

U. S. Nuclear Regulatory Commission  
ATTN: Mr. David L. Trumble, Jr. (Mail Stop OWFN 14H22)  
11500 Rockville Pike  
Rockville, MD 20852-2758

cc (with all Enclosures):

Mr. Honorable J. A. Sanford  
Commissioner - North Carolina Utilities Commission  
700 South Salisbury  
Raleigh, NC 27601-0510

ENCLOSURE 4

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NO. 2  
DOCKET NO. 50-324  
LICENSE NO. DPR-62  
TRANSMITTAL OF CORE OPERATING LIMITS REPORT,  
SUPPLEMENTAL RELOAD LICENSING REPORT, AND  
LOSS-OF-COOLANT-ACCIDENT ANALYSIS REPORT

AFFIDAVIT FROM GENERAL ELECTRIC NUCLEAR ENERGY  
REGARDING WITHHOLDING FROM PUBLIC DISCLOSURE  
IN ACCORDANCE WITH 10 CFR 2.790

## Affidavit

**I, Ralph J. Reda**, being duly sworn, depose and state as follows:

- (1) I am Manager, Fuels and Facility Licensing, 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 the document *Loss-of-Coolant Accident Analysis Report for Brunswick Steam Electric Plant Unit 2 Reload 12 Cycle 13*, NEDC-31624P, Supplement 2, Revision 4, July 1997.
- (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 2.790(a)(4) for "trade secrets and commercial or financial information obtained from a person and privileged or confidential" (Exemption 4). The material for which exemption from disclosure is here sought is all "confidential commercial information," and some portions 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 cost or price information, production capacities, budget levels, or commercial strategies of General Electric, its customers, or its suppliers;
  - d. Information which reveals aspects of past, present, or future General Electric customer-funded development plans and programs, of potential commercial value to General Electric;
  - e. 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 both paragraphs (4)a. and (4)b., above.



- (5) 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. Its initial designation as proprietary information, and the subsequent steps taken to prevent its unauthorized disclosure, are as set forth in (6) and (7) following. 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.
- (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) is classified as proprietary because it would provide other parties, including competitors, with information related to detailed results of analytical models, methods and processes, including computer codes, which GE has developed, requested NRC approval of, and applied to perform evaluations of the BWR. 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 fuel design and analytical methodology are part of GE's comprehensive BWR safety and technology base, and their 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.

Attachment


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.

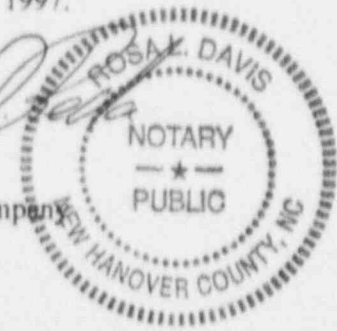
State of North Carolina     )  
County of New Hanover    ) SS:

Ralph J. Reda, being duly sworn, deposes and says:

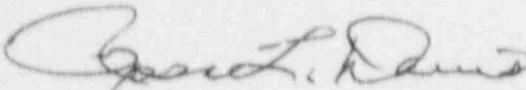
That he has read the foregoing affidavit and the matters stated therein are true and correct to the best of his knowledge, information, and belief.

Executed at Wilmington, North Carolina, this 25 day of July, 1997.

  
Ralph J. Reda  
General Electric Company



Subscribed and sworn before me this 25 day of July, 1997.

  
My commission expires on 12-14-97  
Notary Public, State of North Carolina

ENCLOSURE 1

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NO. 2  
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BRUNSWICK UNIT 2, CYCLE 13  
CORE OPERATING LIMITS REPORT  
SEPTEMBER 1997