



Carolina Power & Light Company

FEB 11 1991

SERIAL: NLS-91-035

United States Nuclear Regulatory Commission
ATTENTION: Document Control Desk
Washington, DC 20555

BRUNSWICK STEAM ELECTRIC PLANT, UNIT NO. 1
DOCKET NO. 50-325/LICENSE NO. DPR-71
TRANSMITTAL OF LOCA REPORT AND
SUPPLEMENTAL RELOAD LICENSING REPORT

Gentlemen:

The updated Brunswick Unit 1 loss-of-coolant accident (LOCA) licensing basis for the upcoming cycle, which is enclosed herein, provides information in accordance with the NRC Safety Evaluation for Amendment 19 to GESTAR-II and makes use of the SAFER/GESTR LOCA methodology. On November 17, 1988, the Nuclear Regulatory Commission (NRC) approved Amendment 19 to General Electric Company (GE) document NEDE-24011-P-A (GESTAR-II). On June 1, 1989, the NRC approved the use of the SAFER/GESTR LOCA methodology for future revisions of the Brunswick Plant LOCA licensing basis. The latest revision of the SAFER/GESTR LOCA methodology for the Brunswick Plant has been accepted by the NRC and is documented in a letter dated January 10, 1991.

The updated Brunswick Unit 1 LOCA licensing basis for the upcoming cycle is contained in the enclosed document titled "Loss-of-Coolant Accident Analysis Report for Brunswick Steam Electric Plant Unit 1 - Reload 7, Cycle 8," NEDC-31624P, Supplement 1, Revision 0. This report is classified as proprietary by GE; therefore, an affidavit for withholding the report from public disclosure in accordance with 10 CFR 2.790 is also enclosed.

In addition, GE has indicated to the NRC that each non-proprietary reload submittal by licensees would include a table of the most limiting and least limiting MAPLHGR for each multiple lattice fuel bundle type. This information is located in the Supplemental Reload Licensing Report for Brunswick Unit 1. A copy of the "Supplemental Reload Licensing Report for Brunswick Steam Electric Plant Unit 1 Reload 7 Cycle 8," 23A6541, Rev. 0 is enclosed.

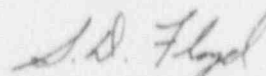
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411 Fayetteville Street • P. O. Box 1551 • Raleigh, N. C. 27602

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Please refer any questions regarding this submittal to Mr. William R. Murray at (919) 546-4661.

Yours very truly,



S. D. Floyd
Manager
Nuclear Licensing Section

WRM/wrm (\cor\blc8loca)

Enclosures

cc: Mr. S. D. Ebnetter
Mr. N. B. Le
Mr. R. L. Prevatte

ENCLOSURE 1

LOSS OF COOLANT ACCIDENT ANALYSIS REPORT FOR
BRUNSWICK STEAM ELECTRIC PLANT UNIT 1 - RELOAD 7, CYCLE 8
(NEDC-31624P, SUPPLEMENT 1, REVISION 0, FEBRUARY 1991)

ENCLOSURE 2

SUPPLEMENTAL RELOAD LICENSING REPORT FOR
BRUNSWICK STEAM ELECTRIC PLANT UNIT 1 - RELOAD 7 CYCLE 8
(23A6541, REV. 0, JANUARY 1991)

ENCLOSURE 3

GENERAL ELECTRIC COMPANY AFFIDAVIT
LOSS OF COOLANT ACCIDENT ANALYSIS REPORT

General Electric Company

AFFIDAVIT

I, Janice S. Charnley, being duly sworn, depose and state as follows:

1. I am Manager, Fuel Licensing, General Electric Company, and have been delegated the function of reviewing the information described in paragraph 2 which is sought to be withheld from public disclosure and have been authorized to apply for its withholding.
2. The information sought to be withheld is contained in *Loss-of-Coolant Accident Analysis Report for Brunswick Steam Electric Plant Unit 1, Reload 7 Cycle 8*, NEDC-31624P, Supplement 1, Revision 0, Class III, February 1991.
3. In designating material as proprietary, General Electric utilizes the definition of proprietary information and trade secrets set forth in the American Law Institute's Restatement of Torts, Section 757. This definition provides:

"A trade secret may consist of any formula, pattern, device or compilation of information which is used in one's business and which gives him an opportunity to obtain an advantage over competitors who do not know or use it.... A substantial element of secrecy must exist, so that, except by the use of improper means, there would be difficulty in acquiring information.... Some factors to be considered in determining whether given information is one's trade secret are: (1) the extent to which the information is known outside of his business; (2) the extent to which it is known by employees and others involved in his business; (3) the extent of measures taken by him to guard the secrecy of the information; (4) the value of the information to him and to his competitors; (5) the amount of effort or money expended by him in developing the information; (6) the ease or difficulty with which the information could be properly acquired or duplicated by others."

4. Some examples of categories of information which fit into the definition of proprietary information are:
 - a. Information that disclosed a process, method or apparatus 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 consisting of supporting data and analyses, including test data, relative to a process, method or apparatus, the application of which provide a competitive economic advantage, e.g., by optimization or improved marketability;
 - c. 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;
 - d. Information which reveals cost or price information, production capacities, budget levels or commercial strategies of General Electric, its customers or suppliers;

Affidavit

- e. Information which reveals aspects of past, present or future General Electric customer-funded development plans and programs of potential commercial value to General Electric;
 - f. Information which discloses patentable subject matter for which it may be desirable to obtain patent protection;
 - g. Information which General Electric must treat as proprietary according to agreements with other parties.
5. Initial approval of proprietary treatment of a document is typically made by the Subsection manager of the originating component, who is most likely to be acquainted with the value and sensitivity of the information in relation to industry knowledge. Access to such documents within the Company is limited on a "need to know" basis and such documents are clearly identified as proprietary.
6. The procedure for approval of external release of such a document typically requires review by the Subsection Manager, Project manager, Principal Scientist or other equivalent authority, by the Subsection Manager of the cognizant Marketing function (or delegate) and by the Legal Operation for technical content, competitive effect and determination of the accuracy of the proprietary designation in accordance with the standards enumerated above. Disclosures outside General Electric are generally limited to regulatory bodies, customers and potential customers and their agents, suppliers and licensees, and then only with appropriate protection by applicable regulatory provisions or proprietary agreements.
7. The document mentioned in paragraph 2 above has been evaluated in accordance with the above criteria and procedures and has been found to contain information which is proprietary and which is customarily held in confidence by General Electric.
8. The document mentioned in paragraph 2 above is classified as proprietary because it contains details concerning current General Electric fuel designs which were developed at considerable expense to General Electric, which are not available to other parties.
9. The information to the best of my knowledge and belief has consistently been held in confidence by the General Electric Company, no public disclosure has been made, and it is not available in public sources. All disclosures to third parties have been made pursuant to regulatory provisions or proprietary agreements which provide for maintenance of the information in confidence.
10. Public disclosure of the information sought to be withheld is likely to cause substantial harm to the competitive position of the General Electric Company and deprive or reduce the availability of profit making opportunities because it would provide other parties, including competitors, with valuable information regarding current General Electric fuel designs which were obtained at considerable cost to the General Electric Company.

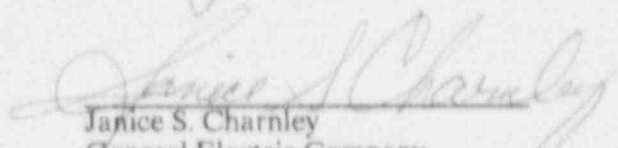
Affidavit

STATE OF CALIFORNIA)
COUNTY OF SANTA CLARA) ss:

Janice S. Charnley, being duly sworn, deposes and says:

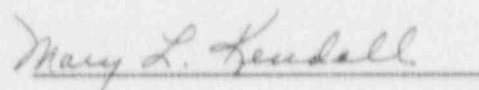
That she has read the foregoing affidavit and the matters stated therein are true and correct to the best of her knowledge, information, and belief.

Executed at San Jose, California, this 5th day of February, 1991.


Janice S. Charnley
General Electric Company

Subscribed and sworn before me this 5th day of February, 1991.




Notary Public - California
Santa Clara County



GE Nuclear Energy