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 FACIL: 50-397 WPPSS Nuclear Project, Unit 2, Washington Public Power
 AUTH. NAME: SORENSEN, G. C. AUTHOR AFFILIATION: Washington Public Power Supply System
 RECIP. NAME: SCHWENCER, A. RECIPIENT AFFILIATION: Licensing Branch 2

SUBJECT: Forwards proprietary FSAR Table 3.9-2b re SER Confirmatory Issues 9 & 10. Table contains GE proprietary info. Table withheld (ref 10CFR2.790). Affidavit requesting info be withheld & GE 830923 ltr also encl.

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Washington Public Power Supply System

P.O. Box 968 3000 George Washington Way Richland, Washington 99352 (509) 372-5000

September 29, 1983
G02-83-876

Docket No. 50-397

Director of Nuclear Reactor Regulation
Attention: Mr. A. Schwencer, Chief
Licensing Branch No. 2
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mr. Schwencer:

Subject: NUCLEAR PROJECT NO. 2
SER CONFIRMATORY ISSUES (9) FUEL ROD
MECHANICAL FRACTURING, AND (10) FUEL
ASSEMBLY STRUCTURAL DAMAGE FROM EXTERNAL
SOURCES; GE PROPRIETARY INFORMATION

Reference: Letter, G02-83-661, G. C. Sorensen (SS) to A.
Schwencer (NRC), "SER Confirmatory Issues (9)
and (10)", dated July 26, 1983

The referenced letter responded to correspondence and meetings relative to the Licensing Review Group generic response to the subject issues.

We have recently been informed by General Electric that the reference letter's enclosure is information of a GE-proprietary nature. Thus, the Supply System requests that this enclosure be withheld from public disclosure in accordance with the provisions of 10CFR2.790, and the attached document be substituted.

Very truly yours,



G. C. Sorensen, Acting Manager
Nuclear Safety and Regulatory Programs

JCA/tmh
Attachment

cc: R Auluck - NRC
WS Chin - BPA
A Toth - NRC Site
FA MacLean - GE

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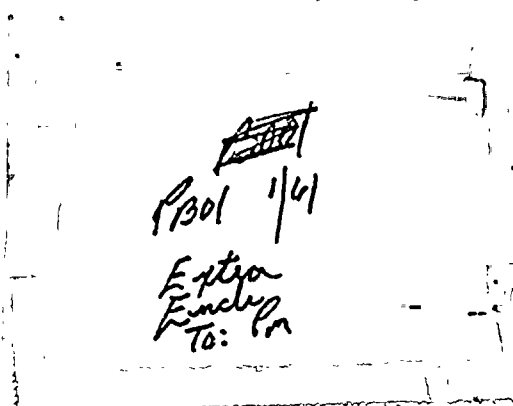


TABLE 3.9-2b (Continued)

REACTOR INTERNALS & ASSOCIATED EQUIPMENT
(v) FUEL ASSEMBLY (INCLUDING CHANNEL)

Page 5 of 5

| Acceptance Criteria | Loading | Primary Load Type | Calculated Peak Acceleration | Evaluation Basis Acceleration |
|-----------------------|--|---------------------------------|------------------------------|-------------------------------|
| Acceleration Envelope | Horizontal Direction: | Horizontal Acceleration Profile | 1.5 G | (1) |
| | 1. Peak Pressure 2. Safe Shutdown Earthquake 3. Annulus Pressurization | | | |
| | Vertical Direction: | Vertical Accelerations | 5.4 G ⁽⁴⁾ | (1) |
| | 1. Peak Pressure 2. Safe Shutdown Earthquake 3. Safety Relief Valve 4. Chugging | | | |

NOTES:

- (1) Evaluation Basis Accelerations and Evaluations are contained in NEDE-21175-3-P.
- (2) The calculated maximum fuel assembly gap opening for the most limiting load combination is 0.25⁽⁴⁾ inch.
- (3) The fatigue analysis indicates that the fuel assembly has adequate fatigue capability to withstand the loadings resulting from multiple SRV actuations and the ORE + SRV event.
- (4) These values are determined using the methodology contained in NEDE-21175-3-P.

SS

1. Examination, under
 2. Dec. '95

GENERAL ELECTRIC

NUCLEAR POWER
SYSTEMS DIVISION

GENERAL ELECTRIC COMPANY, 175 CURTNER AVE., SAN JOSE, CALIFORNIA 95125
MC 394, (408) 925-3382

Responds to: N/A

September 23, 1983
GEWP-2-83-244

RESPONSE REQUESTED BY: 10/21/83

Mr. B. A. Holmberg
Manager, WNP-2 Engineering
Washington Public Power Supply System
P.O. Box 200
Mail Drop 9060
Richland, Washington 99352

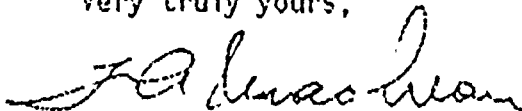
Dear Mr. Holmberg:

SUBJECT: W02808
WPPSS HANFORD 2 CONTRACT 2
FUEL LIFT VALUES

This letter is to confirm our request of September 13, 1983 in a telephone conversation with your Mr. P. Powell that your letter of July 26, 1983 containing the fuel lift values be withdrawn from the public record. This letter to the NRC contains General Electric proprietary information. Attached is an Affidavit of R. Artigas requesting Washington Public Power Supply System have the NRC withhold the information from public disclosure in accordance with the provisions of 10CFR2.790. Please let us know by October 21, 1983 the actions you take in this regard.

We apologize for any inconvenience this may cause. If you have any questions, please call Pam Kingston or me. Thank you for your help in this matter.

Very truly yours,



F. A. Maclean
Project Manager
Hanford 2

FAM:rf/G09231

cc: M. M. Allison
H. H. Engelking
J. A. Forrest
J. J. Verderber
J. M. Yatabe
File No. 7.19

GENERAL ELECTRIC COMPANY

AFFIDAVIT

I, R. Artigas, being duly sworn, depose and state as follows:

1. I am Manager, BWR Projects Licensing, General Electric Company, 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 to be withheld is that contained in WPPSS Nuclear Project No. 2 Final Safety Analysis Report Table 3.9-2b(v).
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 discloses 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;
 - 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. In addition to proprietary treatment given to material meeting the standards enumerated above, General Electric customarily maintains in confidence preliminary and draft material which has not been subject to complete proprietary, technical and editorial review. This practice is based on the fact that draft documents often do not appropriately reflect all aspects of a problem, may contain tentative conclusions and may contain errors that can be corrected during normal review and approval procedures. Also, until the final document is completed it may not be possible to make any definitive determination as to its proprietary nature. General Electric is not generally willing to release such a document to the general public in such a preliminary form. Such documents are, however, on occasion furnished to the NRC staff on a confidential basis because it is General Electric's belief that it is in the public interest for the staff to be promptly furnished with significant or potentially significant information. Furnishing the document on a confidential basis pending completion of General Electric's internal review permits early acquaintance of the staff with the information while protecting General Electric's potential proprietary position and permitting General Electric to insure the public documents are technically accurate and correct.
6. Initial approval of proprietary treatment of a document is made by the Subsection Manager of the originating component, the man 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 at all times are clearly identified as proprietary.
7. The procedure for approval of external release of such a document is reviewed by the Section Manager, Project Manager, Principal Scientist or other equivalent authority, by the Section 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 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 only in accordance with appropriate regulatory provisions or proprietary agreements.

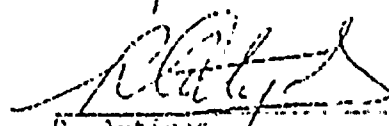
8. The document mentioned in paragraph 2 above has been evaluated in accordance with the above criteria and procedures and has been found to contain information which is proprietary and which is customarily held in confidence by General Electric.
9. The information described in Paragraph 2 above provides results of the mathematical model used by General Electric to analyze for the potential for fuel lift resulting from combined SSE and LOCA events and the capability of the General Electric supplied fuel to withstand impact loading from such a displacement.

STATE OF CALIFORNIA)
COUNTY OF SANTA CLARA) ss:

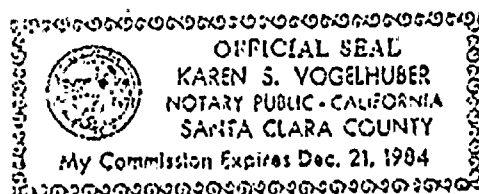
R. Artigas, being duly sworn, deposes and says:

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 San Jose, California, this 26th day of September, 1983.


R. Artigas
General Electric Company

Subscribed and sworn before me this 26th day of September 1983




NOTARY PUBLIC, STATE OF CALIFORNIA

G081824