



HITACHI

GE Hitachi Nuclear Energy

Proprietary Notice

This letter transmits proprietary information in accordance with 10CFR2.390. Upon the removal of Enclosure 1, the balance of the letter may be considered non-proprietary.

James F. Harrison

GE-Hitachi Nuclear Energy Americas LLC
Vice President, Fuel Licensing, Regulatory Affairs
P.O. Box 780, M/C A-55
Wilmington, NC 28401 USA

T 910.819.6604
james.harrison@ge.com

MFN 12-026
March 30, 2012

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, D.C. 20555-0001

Subject: Supporting Information for the Review of GE-Hitachi Nuclear Energy Americas Topical Report NEDE-33005P, "TRACG Application For Emergency Core Cooling Systems / Loss-of-Coolant-Accident Analyses for BWR/2-6" (TAC No. ME5405)

In response to the NRC staff request, this transmittal contains output information and graphics capability for several ECCS-LOCA cases covering the BWR product lines. Both ASCII and binary format output files from selected LOCA cases are included. The runs include double-ended guillotine break cases for prototypical BWR/6, BWR/4, and BWR/2 examples and additional limiting break cases for BWR/6 and BWR/4. The binary output is suitable for visual inspection of the results using the included graphics tools CDPLT. TRACG and CDPLT user manuals are included to facilitate examination of these files.

It is GEH's expectation that the NRC staff will use the enclosed information solely for the purpose of reviewing NEDE-33005P. The user manuals and instructions included on the Enclosure 1 CD-ROM include "GEH Proprietary Information – Class III (Confidential) {3}" on the header of each page indicating the information is deemed proprietary in its entirety.

Please note that Enclosure 1 contains proprietary information of the type that GEH maintains in confidence and withholds from public disclosure. The information has been handled and classified as proprietary to GEH as indicated in its affidavit. The affidavit contained in Enclosure 2 identifies that the information contained in Enclosure 1 has been handled and classified as proprietary to GEH. GEH hereby requests that the information in Enclosure 1 be withheld from public disclosure in accordance with the provisions of 10 CFR 2.390 and 9.17.

Enclosure 1 contains detailed information, modeling input, and output regarding the TRACG-LOCA technology which is deemed proprietary in its entirety. Thus a non-proprietary version of this enclosure has not been provided in accordance with NRC Information Notice 2009-07, which states: "In instances in which a nonproprietary version would be of no value to the public because of the extent of the proprietary information, the agency does not expect a nonproprietary version to be submitted."

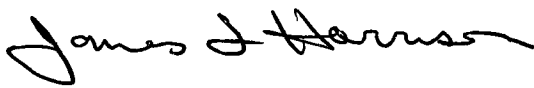
D065
NRK

MFN 12-026

Pg 2 of 2

If you have any questions, please contact Kurshad Muftuoglu at 412-480-2067 or me.

Sincerely,



James F. Harrison
Vice President, Fuel Licensing
Regulatory Affairs
GE Hitachi Nuclear Energy

Project No. 710

Enclosures:

1. TRACG04 Information – CD-ROM – GEH Proprietary Information – Class III
(Confidential)
2. Affidavit

cc: SS Philpott, NRC
JG Head, GEH Wilmington
PL Campbell, GEH Washington
AA Lingenfelter, GNF Wilmington
JE Fawks, GEH Wilmington
eDRF Section 0000-0108-5850 R5

ENCLOSURE 2

MFN 12-026

Affidavit

GE-Hitachi Nuclear Energy Americas LLC

AFFIDAVIT

I, **James F. Harrison**, state as follows:

- (1) I am Vice President, Fuel Licensing, Regulatory Affairs, GE-Hitachi Nuclear Energy Americas LLC (“GEH”), 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 1 of GEH letter, MFN 12-026, J. F. Harrison (GEH) to Document Control Desk (USNRC), Subject: *Supporting Information for the Review of GE-Hitachi Nuclear Energy Americas Topical Report NEDE-33005P, “TRACG Application For Emergency Core Cooling Systems / Loss-of-Coolant-Accident Analyses for BWR/2-6” (TAC No. ME5405)*, dated March 30, 2012. The content of Enclosure 1, which is a CD-ROM entitled “TRACG04 Information”, is proprietary in its entirety. The label on the CD-ROM carries the notation “GEH Proprietary Information – Class III (Confidential)^{3}.” The superscript notation ^{3} refers to Paragraph (3) of this affidavit, which provides the basis for the proprietary determination.
- (3) In making this application for withholding of proprietary information of which it is the owner or licensee, GEH 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 GEH's competitors without license from GEH 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 GEH customer-funded development plans and programs, resulting in potential products to GEH;

- 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 GEH, 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 GEH, 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, or subject to the terms under which it was licensed to GEH. Access to such documents within GEH 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 for technical content, competitive effect, and determination of the accuracy of the proprietary designation. Disclosures outside GEH 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 it contains detailed process and methodology information and modeling input regarding the TRACG technology, for application of TRACG to the performance of LOCA evaluations for BWRs. The development, evaluation and documentation of TRACG, as related to the BWR, was achieved at a significant cost to GEH.

The development of TRACG is derived from an extensive experience database that constitutes a major GEH asset.

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

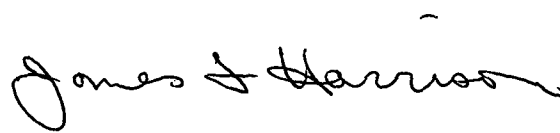
The precise value of the expertise to devise an evaluation process and apply the correct analytical methodology is difficult to quantify, but it clearly is substantial.

GEH's competitive advantage will be lost if its competitors are able to use the results of the GEH 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 GEH 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 GEH of the opportunity to exercise its competitive advantage to seek an adequate return on its large investment in developing and obtaining 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 30th day of March 2012.



James F. Harrison
Vice President, Fuel Licensing,
Regulatory Affairs
GE-Hitachi Nuclear Energy Americas LLC

ENCLOSURE 1

MFN 12-026

TRACG04 Information – CD-ROM

GEH Proprietary Information – Class III (Confidential)

PROPRIETARY INFORMATION NOTICE

This enclosure contains proprietary information of GE-Hitachi Nuclear Energy Americas (GEH) 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 GEH disclosed herein or any right to publish or make copies of the enclosure without prior written permission of GEH.

The content of Enclosure 1, which is a CD-ROM entitled “TRACG04 Information,” is proprietary in its entirety. The label on the CD-ROM carries the notation “GEH Proprietary Information – Class III (Confidential)^{3}.” The superscript notation ^{3} refers to Paragraph (3) of this affidavit, which provides the basis for the proprietary determination.