



September 30, 1996
JHT/96-63

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

Subject: Submittal of Topical Report BAW-10221P, NEMO-K -- A
Kinetics Solution in NEMO.

Reference: J. H. Taylor to L. Phillips, BWFC's Response to NRC
Request for Revalidation of BWFCs Topical Reports,
JHT/95-90, August 30, 1995.

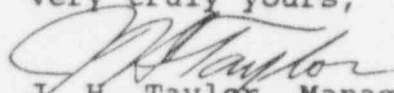
Gentlemen:

Enclosed are fifteen copies of topical report BAW-10221P, NEMO-K --
A Kinetics Solution in NEMO. This report describes the time
dependent solution that was co-developed by Framatome Cogema Fuels
(FCF) and Framatome for the purpose of safety evaluations where
three dimensional, time dependent behavior of the core can be
important.

In partial response to issues identified by Information Notice 94-
64, Framatome Cogema Fuels agreed in the reference to develop and
submit for NRC approval a 3D-kinetics based computer code designed
for the analysis of fast reactor transients. Approval of the
methods documented in the topical report is necessary to assure
that FCF has a multi-dimensional capability which can demonstrate
that the RIA events have less severe consequences than is possible
with our currently approved methods. Approval of BAW-10221P is
needed by June 30, 1997.

In accordance with 10CFR2.790, it is requested that this report be
considered proprietary. An affidavit supporting this request,
signed by J. H. Taylor, Manager, Licensing Services, is attached.
In accordance with NUREG-0390, three additional copies of the
report are attached in which the proprietary material has been
identified. Material enclosed in hand written brackets in these
three reports is to be considered proprietary to FCF.

Very truly yours,


J. H. Taylor, Manager
Licensing Services

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PDR TOPRP EMVBW
C PDR

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X RD-8-2Framatome

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TOPRP

1007
1/18

cc: R. C. Jones, NRC
L. E. Phillips, NRC
L. I. Kopp, NRC
R. B. Borsum

see enclosure

bc: J. B. Andrews
R. C. Deveney
G. E. Hanson
B. J. Delano
P. M. Suhocki
C. F. McPhatter
G. H. Hobson
W. E. VanScooter
S. T. Robertson

AFFIDAVIT OF JAMES H. TAYLOR

- A. My name is James H. Taylor. I am Manager of Licensing Services for Framatome Technologies, Inc. (FTI). Framatome Cogema Fuels is administratively responsible to Framatome Technologies, Inc. Therefore, I am authorized to execute this Affidavit.
- B. I am familiar with the criteria applied by FTI to determine whether certain information of FTI is proprietary and I am familiar with the procedures established within FTI to ensure the proper application of these criteria.
- C. In determining whether an FTI document is to be classified as proprietary information, an initial determination is made by the Unit Manager, who is responsible for originating the document, as to whether it falls within the criteria set forth in Paragraph D hereof. If the information falls within any one of these criteria, it is classified as proprietary by the originating Unit Manager. This initial determination is reviewed by the cognizant Section Manager. If the document is designated as proprietary, it is reviewed again by Licensing personnel and other management within FTI as designated by the Manager of Licensing Services to assure that the regulatory requirements of 10 CFR Section 2.790 are met.
- D. The following information is provided to demonstrate that the provisions of 10 CFR Section 2.790 of the Commission's regulations have been considered:
- (i) The information has been held in confidence by FTI. Copies of the document are clearly identified as proprietary. In addition, whenever FTI transmits the information to a customer, customer's agent, potential customer or regulatory agency, the transmittal requests the recipient to hold the information as proprietary. Also, in order to strictly limit any potential or actual customer's use of proprietary information, the substance of the following provision is included in all agreements entered into by FTI, and an equivalent version of the proprietary provision is included in all of FTI's proposals:

AFFIDAVIT OF JAMES H. TAYLOR (Cont'd.)

"Any proprietary information concerning Company's or its Supplier's products or manufacturing processes which is so designated by Company or its Suppliers and disclosed to Purchaser incident to the performance of such contract shall remain the property of Company or its Suppliers and is disclosed in confidence, and Purchaser shall not publish or otherwise disclose it to others without the written approval of Company, and no rights, implied or otherwise, are granted to produce or have produced any products or to practice or cause to be practiced any manufacturing processes covered thereby.

Notwithstanding the above, Purchaser may provide the NRC or any other regulatory agency with any such proprietary information as the NRC or such other agency may require; provided, however, that Purchaser shall first give Company written notice of such proposed disclosure and Company shall have the right to amend such proprietary information so as to make it non-proprietary. In the event that Company cannot amend such proprietary information, Purchaser shall, prior to disclosing such information, use its best efforts to obtain a commitment from NRC or such other agency to have such information withheld from public inspection.

Company shall be given the right to participate in pursuit of such confidential treatment."

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- (ii) The following criteria are customarily applied by FTI in a rational decision process to determine whether the information should be classified as proprietary. Information may be classified as proprietary if one or more of the following criteria are met:
- a. Information reveals cost or price information, commercial strategies, production capabilities, or budget levels of FTI, its customers or suppliers.
 - b. The information reveals data or material concerning FTI research or development plans or programs of present or potential competitive advantage to FTI.
 - c. The use of the information by a competitor would decrease his expenditures, in time or resources, in designing, producing or marketing a similar product.
 - d. The information consists of test data or other similar data concerning a process, method or component, the application of which results in a competitive advantage to FTI.
 - e. The information reveals special aspects of a process, method, component or the like, the exclusive use of which results in a competitive advantage to FTI.
 - f. The information contains ideas for which patent protection may be sought.

The document(s) listed on Exhibit "A", which is attached hereto and made a part hereof, has been evaluated in accordance with normal FTI procedures with respect to classification and has been found to contain information which falls within one or

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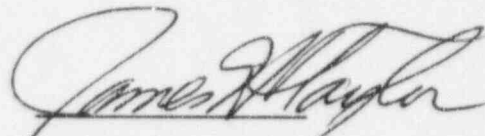
more of the criteria enumerated above. Exhibit "B", which is attached hereto and made a part hereof, specifically identifies the criteria applicable to the document(s) listed in Exhibit "A".

- (iii) The document(s) listed in Exhibit "A", which has been made available to the United States Nuclear Regulatory Commission was made available in confidence with a request that the document(s) and the information contained therein be withheld from public disclosure.
- (iv) The information is not available in the open literature and to the best of our knowledge is not known by Combustion Engineering, EXXON, General Electric, Westinghouse or other current or potential domestic or foreign competitors of Framatome Technologies, Inc.
- (v) Specific information with regard to whether public disclosure of the information is likely to cause harm to the competitive position of FTI, taking into account the value of the information to FTI; the amount of effort or money expended by FTI developing the information; and the ease or difficulty with which the information could be properly duplicated by others is given in Exhibit "B".

E. I have personally reviewed the document(s) listed on Exhibit "A" and have found that it is considered proprietary by FTI because it contains information which falls within one or more of the criteria enumerated in Paragraph D, and it is information which is customarily held in confidence and protected as proprietary information by FTI. This report comprises information


AFFIDAVIT OF JAMES H. TAYLOR (Cont'd.)

utilized by FTI in its business which afford FTI an opportunity to obtain a competitive advantage over those who may wish to know or use the information contained in the document(s).

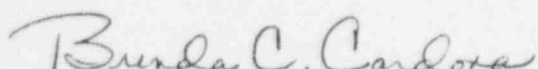

JAMES H. TAYLOR

State of Virginia)) SS. Lynchburg
City of Lynchburg)

James H. Taylor, being duly sworn, on his oath deposes and says that he is the person who subscribed his name to the foregoing statement, and that the matters and facts set forth in the statement are true.


JAMES H. TAYLOR

Subscribed and sworn before me
this 27th day of September 1996.


Notary Public in and for the City
of Lynchburg, State of Virginia.

My Commission Expires July 31, 1999