George Lear, Chief, Operating Reactors Branch #3, DRL

FORTHCOMING MEETING WITH GENERAL ELECTRIC COMPANY AND THE BWR MARK I OWNER'S GROUP

Time and Date:

9:00 a.m., Wednesday and Thursday, December 3 and 4, 1975

Location:

12/3/75: 9-12:00, Room P114, Bethesda 12-5:00, Room P-130a, Bethesda

12/4/75: 9-5:00, Room P-114, Bethesda

Purpose:

Participants:

- (1) To discuss the hydrodynamic loads considered in the Mark I short term program final report submitted by the BWR Mark I Owner's Group, and
- (2) To discuss the long term program proposed by the Mark I Owner's Group (see attached agenda).

Mark I Owner's Group: T. Keenan (Vermont Yankee Nuclear Power Corp.)

General Electric Company: A. James and B. Schon

Nuclear Regulatory Commission: W. Paulson, C. Anderson, R. Tedesco, G. Lainas, J. Kudrick, R. Cudlin and M. Levine (ENL).

Walter A. Paulson Operating Reactors Branch #3 Division of Reactor Licensing

Attachment: Agenda

cc: See next page

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## DECEMBER 3, 4, 1975

- I Plant Modifications Resulting From the Short Term Program (STP recommended - Fermi - 2, Utility initiated - Browns Ferry )
- II Definition of the LOCA Related Hydrodynamic Loads
  - A. Comparison of Component Loads for Critical Systems or Elements
  - B. Primary Load Bases

    - EPRI/Stanford film & GE film
       Primary Load Bases (Short & Long Term Program)
       Scaling Methods
  - Secondary Load Bases (Short & Long Term Program)
  - D. 2 Undefined Loads (Impact & Drag load for structures other than the vent header - i.e., floor plates, return lines, catwalk supports, inclined vent pipes, vacuum breakers, etc.)
  - Application of Major Loads (Downward bubble pressure, pool swell impact and drag)
- III Load Combinations
  - A. 4 Chronology of Pool Dynamic Loads
  - B. Basis of Selection of Most Probable Loads
- IV Long-Term Program
  - A. Documentation and Meetings Planned
  - B. LOCA Related Activities
    - 1. Review of Planned Tests (objectives, configuration, instrumentation, test matrix)
    - 2. Model Development
  - C. Safety-Relief Valve Related Activities
    - 1. Review of Planned Tests (objectives, configuration, instrumentation, test matrix)

- 2. Model Development
- 3. Correlation of Tests and Models

Reference the items in the April 1975 request for information letter sent to Utilities with Mark I containments

- · 1. Items 3 and 4
  - 2. Item 7
- 3. Item 5
- 4. Item 2

GENERAL ELECTRIC COMPANY, 175 CURTNER AVENUE, SAN JOSE, CALIFORNIA 95125

Mail Code 685

Phone (408) 297-3000 TWX No. 910-338-0116

NUCLEAR ENERGY

SYSTEMS DIVISION

BWR PROJECTS DEPARTMENT

November 14, 1975

Director of Nuclear Reactor Regulation
ATTN: W.R. Butler, Chief
Light Water Reactor Project
Branch 1-2
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Letter No. 781-237-75
NOV191975

SUBJECT:

GENERAL ELECTRIC COMPANY LICENSING TOPICAL REPORT NEDE-21078-P,
"TEST RESULTS EMPLOYED BY GE FOR BWR CONTAINMENT AND VERTICAL
VENT LOADS"

Dear Mr. Butler:

A copy of the subject report is enclosed. This report was promised in a letter of October 27, 1975, from Mr. I.F. Stuart to Mr. R.E. Heineman for review as a further part of the generic study of loads created by steam discharges through the suppression pool of a pressure suppression containment. NEDE-21078-P presents the information pertinent to the design of the relief valve quencher device, the determination of laternal loads on vertical drywell to wetwell vents (downcomers), and the threshold temperature for steam quenching vibration associated with different relief valve discharge devices. Thirty-nine additional copies are being provided in a separate shipment.

This report contains information which the General Electric Company customarily maintains in confidence and withholds from public disclosure. The information has been handled and classified proprietary by General Electric in accordance with the procedures and standards set forth in Attachment A to this letter, and we hereby request that the report be withheld from public disclosure in accordance with the provisions of 10CFR2.790.

This particular information is necessary for our business and give us an advantage over competitors who do not have access to it. The information was developed at considerable expense to General Electric, and its release would allow competitors to confirm similar designs without incurring similar expense. Extensive measures have been employed to guard such information, and to the best of our knowledge, the information has been released outside the Company only in accordance with contractual proprietary agreements. It is, therefore, requested that this information be held in confidence and not released to the Public Document Room or otherwise disclosed.

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W.R. Butler - 2 - November 14, 1975

The non-proprietary version of the report, NEDO-21078, will be forwarded no later than November 28, 1975.

Sincerely,

J.L. Embley, Manager
BWR Standardization Unit Mail Code 685 Ext. 3463

JLE:jrm

Enclosures

## GENERAL ELECTRIC PROPRIETARY CLASSIFICATION SYSTEM

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Vendor: GE

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Title: Test Results Employed By GE For Bus Containment And Vertical Vent Loads

New Topical Report X

Supplemental Information to Existing Topical Report

Approved Topical Report

Date of Incoming Letter: 11/14/75 Date Received: 11/19/75

H. Kouts

This memo is distributed as shown below to inform recipients of the availability of the report. The number of copies, if appropriate, is indicated. Additional or reference copies may be obtained from the Subject File in the Docket Room (Bethesda Bldg. 016).

Walter R. Butler

Regulatory Program Manager

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