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TOPICAL REPORT

TO: Mr. John F. Stolz

FROM: General Electric
San Jose, Ca. 96125
Sobon L. J.

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DESCRIPTION Requesting withholding pursuant
to 2.790 Info...Trans The Following:

ENCLOSURE

Proprietary Info consisting of
General Electric Report, "Analytical Model For
Liquid Jet Properties For Predicting Forces On
Rigid Submerged Structures", NEDE-21472, dated
September, 1977...W/att Affidavit Notorized
01/31/78 (Proprietary)....

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GENERAL ELECTRIC



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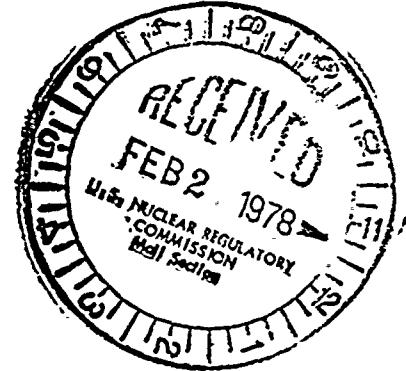
GENERAL ELECTRIC COMPANY, 175 CURTNER AVE., SAN JOSE, CALIFORNIA 95125

MFN-045-78

MC 681, (408) 925-3495

January 26, 1978

U. S. Nuclear Regulatory Commission
Division of Reactor Licensing
Office of Nuclear Reactor Regulation
Washington, D. C. 20555



Attention: Mr. John F. Stolz, Chief
Light Water Reactors Branch No. 3

Gentlemen:

SUBJECT: GENERAL ELECTRIC REPORT, "ANALYTICAL MODEL FOR LIQUID
JET PROPERTIES FOR PREDICTING FORCES ON RIGID SUBMERGED
STRUCTURES", NEDE-21472, DATED SEPTEMBER, 1977

One hundred (100) copies of the subject report (NEDE-21472) are being provided by General Electric for the Mark I and Mark II Owners Groups for your review as part of the respective Containment Programs, Tasks 5.14 and A.6.

This report provides a method for calculating the properties of submerged water jets resulting from discharges through a ramshead or downcomer vent into a suppression pool.

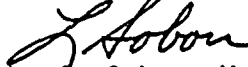
The enclosed report and affidavit contain information which the General Electric Company customarily maintains in confidence and withholds from public disclosure. The information has been handled and classified proprietary by General Electric as indicated in the attached proprietary affidavit, and the request is hereby made that NEDE-21472 be withheld from public disclosure in accordance with the provisions of 10CFR2.790. The non-proprietary version of this report (NEDO-21472) will be provided in February, 1978.

780330064

Mr. J. F. Stolz
January 26, 1978
Page 2

Any questions regarding this report should be directed to L. H. Frauenholz,
the Mark II Containment Licensing Engineer, (408) 925-2623.

Sincerely,



L. J. Sobon, Manager
BWR Containment Licensing
Containment Improvement Programs

LJS:cc/79-80

Enclosures: 100

cc: C. J. Anderson (NRC)
H. C. Brinkmann (Mark II Owners Group)
L. S. Gifford (GE Bethesda)
J. C. Guibert (NRC)
I. A. Peltier (NRC)
R. L. Tedesco (NRC)

