

GENERAL ELECTRIC

NUCLEAR ENERGY
PROJECTS DIVISION

GENERAL ELECTRIC COMPANY, 175 CURTNER AVE., SAN JOSE, CALIFORNIA 95125
MC 681, (408) 925-3495

MFN-187-78

May 2, 1978

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

RECEIVED DISTRIBUTION
SERVICES UNIT

Attention: Mr. John F. Stolz, Chief
Light Water Reactors Branch No. 1

Gentlemen:

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

Reference: Letter with Report, "General Electric Report, 'Analytical
Model for Liquid Jet Properties for Predicting Forces on
Rigid Submerged Structures,' NEDE-21472, dated September
1977," to J. F. Stolz (NRC) from L. J. Sobon (GE), dated
January 26, 1978

One hundred (100) copies of the subject report (NEDO-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.5.

This report, which is the non-proprietary version of NEDE-21472, provided
to you earlier this year (reference) provides a method for calculating
LOCA and Ramshead water-jet loads on submerged structures.

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Mr. John F. Stolz

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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:mh/1649-1650

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)
File: 3.2.7
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