

1308/05/78

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SUBJECT:

LTR 1 ENCL 70

FORWARDING GE REPT ENTITLED: "MARK II PRESSURE SUPPRESSION CONTAINMENT
SYSTEMS - LOADS ON SUBMERGED STRUCTURES - AN APPL MEMORANDUM," NEDO-21730,
JULY 1978.

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TOPICAL RPTS & CORRESPONDENCE RE MARK II CONTAINMENT
(DISTRIBUTION CODE T002)

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GENERAL ELECTRIC

NUCLEAR ENERGY

PROJECTS DIVISION

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

MFN-339-78

MC 681, (408) 925-3495

August 11, 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 Reactor Branch No. 1

Gentlemen:

SUBJECT: GENERAL ELECTRIC REPORT, "MARK II PRESSURE SUPPRESSION
CONTAINMENT SYSTEMS - LOADS ON SUBMERGED STRUCTURES - AN
APPLICATION MEMORANDUM," NEDO-21730, JULY, 1978

- References:
- 1.) Letter with report, "Mark II Pressure Suppression Containment Systems - Loads on Submerged Structures - Application Memorandum," NEDE-21730, dated December, 1977, J. F. Stolz (NRC) from L. J. Sobon (GE), dated January 31, 1978
 - 2.a) Letter with report, "Mark II Containment Dynamic Forcing Functions Information Report (DFFR), NEDO-21061, Rev. 3, dated June, 1978," to J. F. Stolz (NRC) from L. J. Sobon (GE), dated June 30, 1978
 - b) Letter with report, "Proprietary Supplement (NEDE-21061-P) to Mark II Dynamic Forcing Functions Information Report (DFFR), Rev. 3, NEDO-21061, dated June, 1978," to J. F. Stolz (NRC) from L. J. Sobon (GE), dated June 30, 1978

Seventy (70) copies of NEDO 21730, the non-proprietary version of NEDE 21730 (Reference 1), are being provided by General Electric Company on behalf of the Mark II Owners Group to satisfy the requirements of 10CFR2.790(b)(1).

This report provides guidance for the application of the analytical models used to define the loading of submerged structures resulting from LOCA and SRV air bubble and water-jet discharges.

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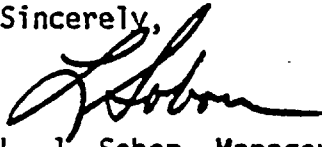
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GENERAL  ELECTRIC

U. S. Nuclear Regulatory Commission
August 11, 1978
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The information contained in NEDO/NEDE 21730 has also been incorporated into Revision 3 of the Mark II DFFR (Reference 2).

Sincerely,



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

LJS:mm/1314-1315.

Enclosures: 70

cc: C. J. Anderson (NRC)
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L. S. Gifford (GE, Bethesda)
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