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TO: Mr. John F. Stolz

FROM: General Electric  
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"Analytical Model For Estimating Drag Forces On Rigid Submerged Structures Caused By LOCA And Safety Relief Valve Ramshead Air Discharges, NEDO-21471, dtd September, 1977...."

1p

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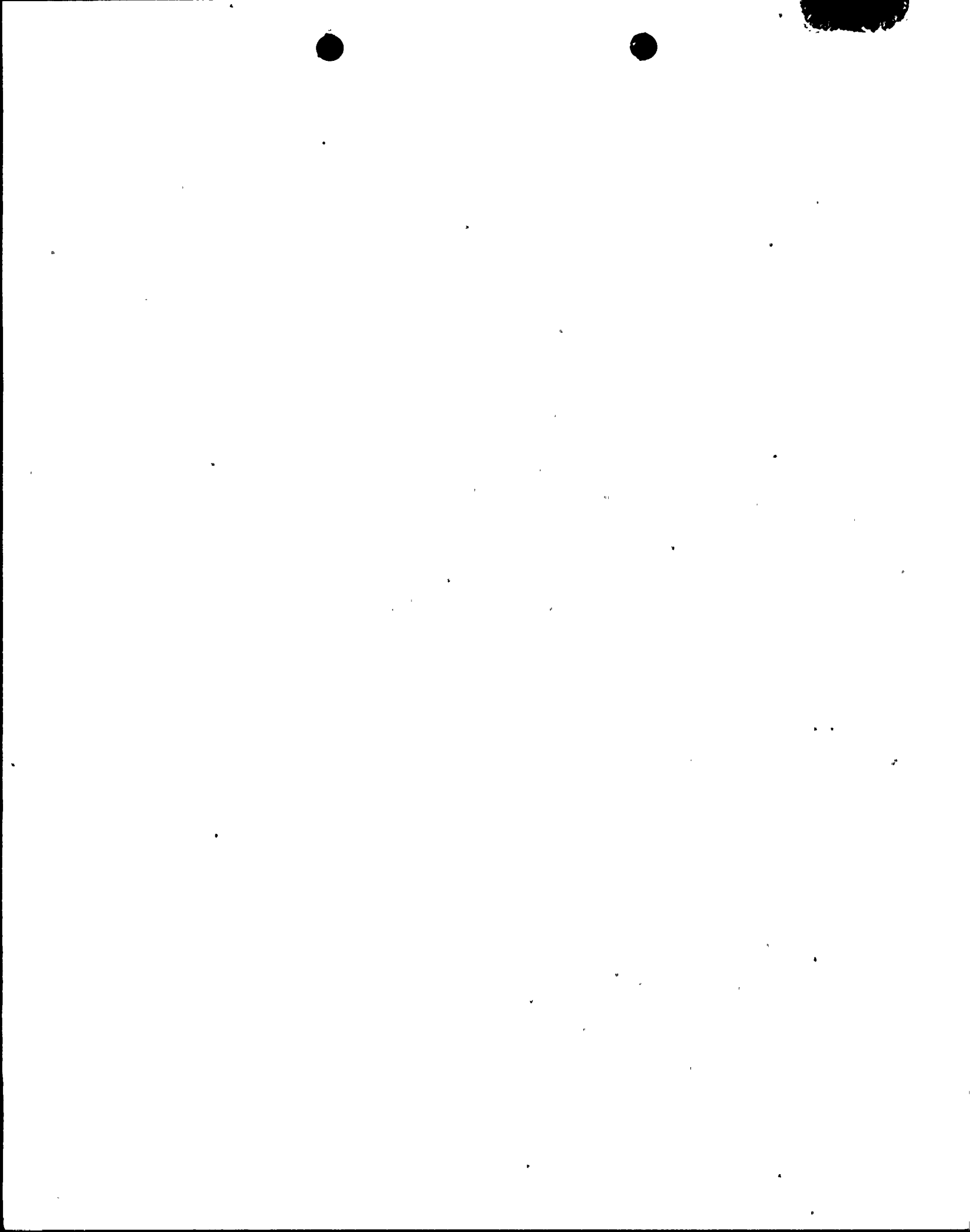
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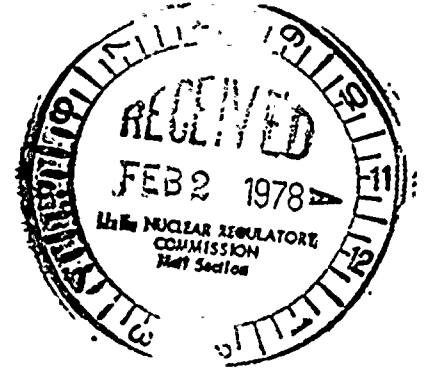
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**NUCLEAR ENERGY  
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MFN-040-78**

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

January 27, 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 ESTIMATING DRAG FORCES ON RIGID SUBMERGED STRUCTURES CAUSED BY LOCA AND SAFETY RELIEF VALVE RAMSHEAD AIR DISCHARGES," NEDO-21471, DATED SEPTEMBER, 1977

One hundred (100) copies of the subject report (NEDO-21471) 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 describes methods for estimating drag forces on rigid structural members submerged in a suppression pool caused by the air discharge resulting from a Loss of Coolant Accident (LOCA) or Safety/Relief Valve Ramshead Discharge.

A proprietary Appendix A to this report (NEDO-21471), submitted by separate letter, contains the proprietary information referenced in the text of this report.

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:jg/101

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Enclosures: 100

cc: C. J. Anderson (NRC) H. C. Brinkmann (Mark II Owners Group)  
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