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SANDIA LABORATORIES

SANDIA CORPORATION

ALBUQUERQUE, NEW MEXICO 87115

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W. J. HOWARD
VICE PRESIDENT, SYSTEMS DEVELOPMENT

DEC 12 1968

U. S. Atomic Energy Commission
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P. O. Box 5400
Albuquerque, New Mexico 87115

Attn: B. W. Colston, Director
Non-Weapons Activities Division

Thru: L. W. Otoski, Area Manager, AEC-SAO

- Ref: 1. Uncl. Ltr., J. R. Cotton, AEC-ALO, to C. W. Campbell,
dtd 12/4/68, subject, Air Force MIPR FB2823-9-70
2. Conf. MIPR FB2823-9-70, dtd 11/14/68, ADTC (ADAK),
Eglin AFB, to AEC-ALO

The reference memorandum requested Sandia Laboratories' assistance in developing a fuel-air explosive bomb for high velocity impact. We have carefully reviewed this document and feel that we can and should support this effort. This work will be a continuation of the effort to resolve basic questions raised in the course of the Garlic Program. The initial phase of this study, as described in the Statement of Work, ATC 69-33, will lead to the definition of the most optimum allowable fuel-air bomb. This portion of the investigation will be primarily an analytical study based on past Garlic and Pave Pat experience and should be completed in approximately six months. Funds required for this investigation will be \$100,000. At the completion of this study, a technical review will be held with the Air Force and a decision made based on the study results on continuation into a feasibility demonstration test program.

This program will not interfere with scheduled Phase III weapon programs, although there may be a slowdown in certain advanced development areas. We feel, however, that in view of the potential that this weapon system has to offer in conflicts such as the present one in Southeast Asia our participation is in the National interest. This program will be initiated as soon as the funds are released.

Original Signed By
W. J. HOWARD

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