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COLLECTION RG 326 46-51 ^{Secretary} UNITED STATES ATOMIC ENERGY COMMISSION

BOX No. 111 (NN3-326-93-007) Washington 25, D. C.

FOLDER 471.6 (10-20-48)

This document consists of 2 pages
No. 3 of 4 Copies, Series B

Greenhouse Vol. #2 DECLASSIFIED
E.O. 12958, Sec. 3.3
COPY

January 19, 1951

NW 972006A
By O.M. EA Date 7/22/05

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MEMORANDUM For the Special Committee of the National Security Council for Atomic Energy Matters

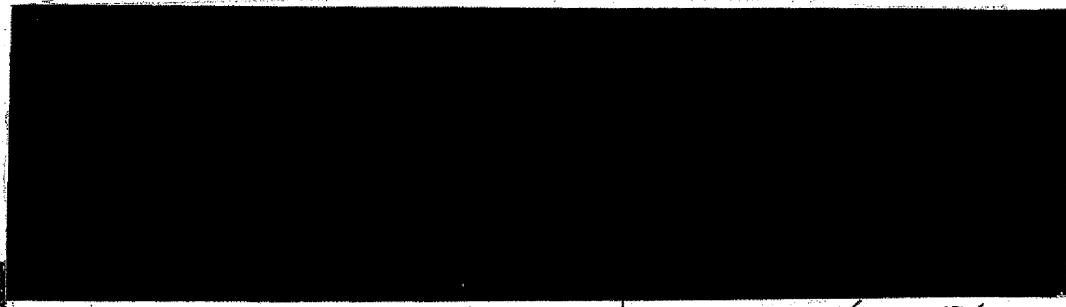
Subject: APPROVAL FOR OPERATION GREENHOUSE

1. As you have been advised previously, the Atomic Energy Commission proposes to conduct full-scale weapon tests at the Eniwetok Proving Ground in the Spring of 1951 (Operation GREENHOUSE).

2. Final determination of the weapon models and nuclear devices actually to be detonated during GREENHOUSE will depend in part on the outcome of the tests to be conducted at the Las Vegas site during February (Operation RANGER), and also on the course of events during GREENHOUSE. As now foreseen, the GREENHOUSE program will include from 3 to 5 detonations during the period April 1, 1951-June 3, 1951. The principal objectives of the GREENHOUSE program are the following:

- a. Proof-testing of nuclear components and associated weapon designs which may permit the attainment of much greater yields from a given amount of fissionable material, or, conversely, a given yield with the expenditure of less material.
- b. Examination of atomic weapons effects on buildings, aircraft structures, various materials, and on animals.
- c. Gaining information concerning the feasibility of the thermonuclear weapon.

3. The weapons models and nuclear devices under consideration for this firing program are:



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| 1. CLASSIFICATION CHANGED TO |
| 2. CONTAINS NO DOE CLASSIFIED INFO |
| 3. COORDINATE WITH: |
| 4. CLASSIFICATION CANCELLED |
| 5. CLASSIFIED INFO RECLASSIFIED |
| 6. OTHER (SPECIFY): |

1ST REVIEW DATE: 02/15/02
AUTHORITY: EAAC 10/09/00
NAME: Bill J. Haggard
2ND REVIEW DATE: 10/02/02
AUTHORITY: EAAC
NAME: W. J. Haggard

Classification of changed

TO Secret

By Authority of J. B. Beckley, Dir. of Sec. Aff.

See memo to Sec. from SA [unclear] 7/2/05

A. Luyten - Admin. Section 7/2/05

Name _____ Title _____ Date _____

SECRET

SECURITY INFORMATION RESTRICTED DATA

This document contains restricted data as defined in the Atomic Energy Act of 1954
E.O. 12958, Sec. 3.3

~~DECLASSIFIED~~ January 24, 1957
U. S. ATOMIC ENERGY COMMISSION
BY: [Signature]
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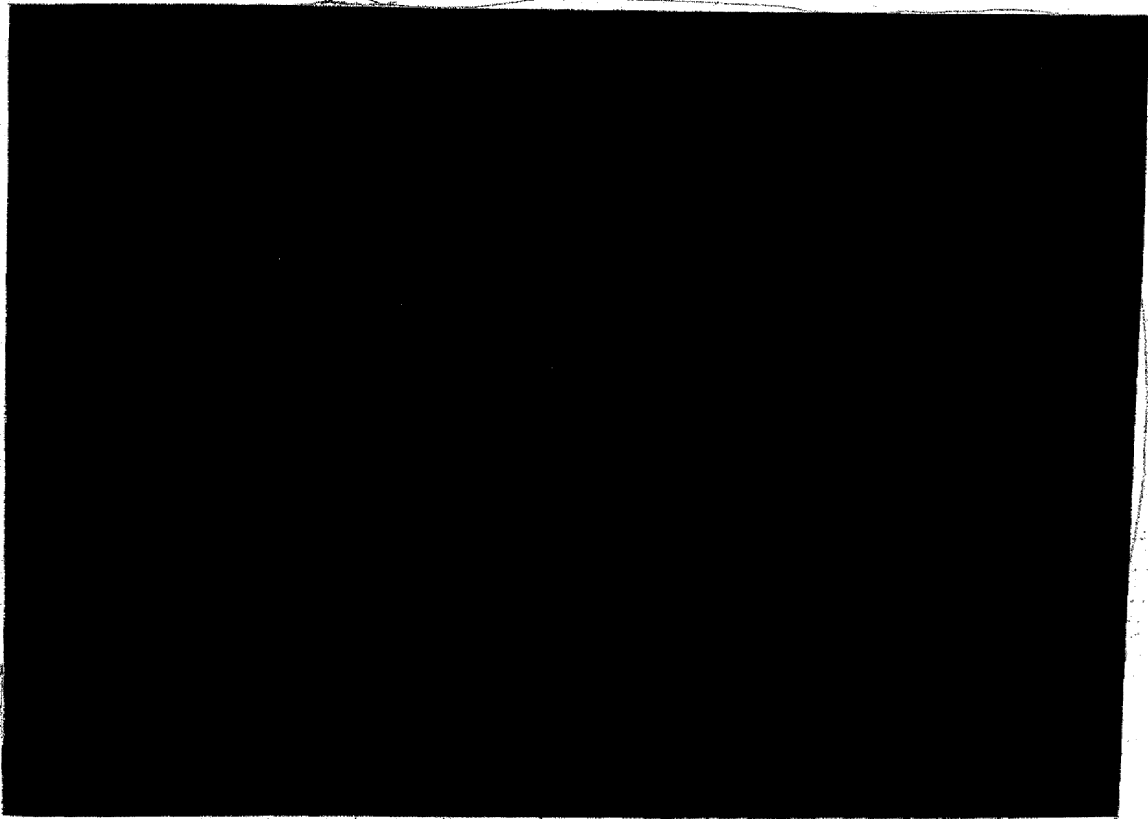
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NW: 972006A
By O.M. EA Date 7/22/05

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5. The General Advisory Committee to the Atomic Energy Commission has approved of this program.

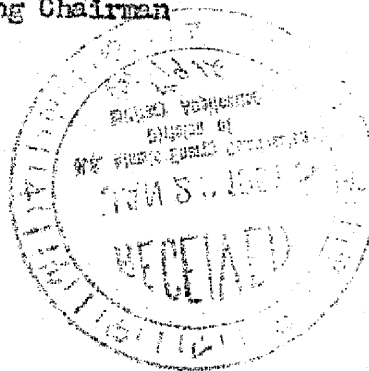


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UNITED STATES ATOMIC ENERGY COMMISSION

/s/ H. D. SMYTH

H. D. Smyth
Acting Chairman



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NW: 977-006A
By 0m/15a Date 7/24/05