

DECLASSIFIED
E.O. 12958, Sec. 3.6

~~CONFIDENTIAL~~

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NW 972006 B
By DM LJA Date 8/09/05

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MAY 28 1958

Dear General Loper:

Reference is made to my letter of April 4, 1958. The Commission has approved the declassification of the information about shot PINON of Operation HARDTACK that must be revealed to demonstrate that the device being tested is a thermonuclear device producing a reduced amount of fallout.

The Commission has determined that the declassification of the total yield, the time and location, the scheduled date of shot PINON of Operation HARDTACK, and the fact that at some unspecified previous test a 5 megaton total yield device was detonated would not result in serious damage to the nation or be prejudicial to the defense interest of the nation.

Further, the Commission has determined that the total fission yield of that event, any information that may be derived from samples of the radioactive cloud and the fact that the device being tested is a stockpile thermonuclear weapon may be published without undue risk to the common defense and security.

Specifically, the Commission has approved the declassification of the following information:

- a. The location and scheduled and actual time of shot.
- b. The device to be tested is contained in a cylindrical container about 5 feet in diameter and 12 feet long, which will weigh about 8 tons including the contents. Also, the center of gravity insofar as it may be revealed by weighing under each of the four corners of the cradle.
- c. The bomb fraction tracer will be 20 tons of uranium (isotopic composition will remain classified).
- d. The total yield as measured by fireball photography and the necessary photography. (Only the predicted range of yield will be announced in advance of the test.)

~~RESTRICTED DATA~~

This document contains information as defined in the Atomic Energy Act of 1954. Its transmittal or the disclosure of its contents in any manner to an unauthorized person is prohibited.

1ST REVIEW DATE	5-24-95
APPROVED BY	X
NAME	C. R. Kueper
2ND REVIEW DATE	5-26-95
APPROVED BY	
NAME	PH Amery

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW DATE: 08/27/01	DETERMINATION (CIRCLE NUMBER):
AUTHORITY: OAC/DA/DA/DA	1. CLASSIFICATION RETAINED
NAME: <u>William H. Harris</u>	2. CLASSIFICATION CHANGED
2ND REVIEW DATE: 11/22/01	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: ADD	4. COORDINATE WITH: _____
NAME: <u>William H. Harris</u>	5. CLASSIFICATION CANCELLED COLLECTION
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY): <u>49-50</u>

REPOSITORY NARA - College Park
RG 326 AEC SECRETARIAT
1951-58

BOX No. 208 CLASSIFIED
FOLDER #5 MRA HARDTACK

DECLASSIFIED
E.O. 12958, Sec. 3.6

NW: 972006 B
By DM LJA Date 8/09/05
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- e. Cloud samples as collected on filter paper and any information which might be derived from analyzing them without the use of any classified information.
- f. Fission yield as determined by radiochemistry at UCRL, Berkeley and the analytic procedures used in this determination. The participants will observe this determination and may actually assist in carrying out the analyses.
- g. Identification of the device being tested as a stockpile weapon.

In connection with the proper instruction of the Observers in the use of the high speed freezing camera technique which is used for fireball photography, the procedure must be demonstrated on some past film. The use as a practice film of photographs of the Mike Shot, together with the film that will be obtained from PINON and Figure 2.92 of "The Effects of Nuclear Weapons", might reveal light versus time information which is now classified under Topics 5c(1)(c) and 5b(5)(a) of the AEC-DOE Classification Guide. Consequently, it is advisable to use practice film from a shot with yield comparable to the expected yield of PINON. Films of Tsar Shot of Operation Redwing seems best suited for this purpose. It will not be necessary to identify the shot by name or date. Only the film and the fact that a device of yield (5 megatons) was detonated at some time in the past need be declassified.

The contents of the Department of Defense with respect to these declassification actions are requested.

Sincerely yours,

(Signed) Lewis L. Strauss

Chairman

Honorable Herbert B. Loper
Chairman, Military Liaison Committee
to the Atomic Energy Commission

cc: Chairman H. F. Carroll, ORS
General Manager
Secretariat
A. D. Starbird, DMA
L. K. Olson, GC

Classification Secretariat General Mgr. Chairman

CI Marshall:ler

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Handwritten:
Loper
6/6/58
JL

DECLASSIFIED
E.O. 13526, Sec. 3.8

NW19770068
By DM LR Date 8/9/05