[redacted]

UNCLASSIFIED

DECLASSIFICATION REVIEW	
1st Review Date: 6/16/98 Authority: ADD Name: Ritzman 2nd Review Date: 6-17-98 Authority: ADD Name: W Layne	Determination (Circle Number(s)): 1. Classification Retained 2. Classification Changed to: UNCL 3. Contains No DOE Classified Information 4. Concurrence With: 5. Contains UCNI? 6. Comments: DECLASSIFY

FEB 16 1961

File No: M 30, 3-2
T-17399
13.670.00
Completed 1-27-61

TO: DISTRIBUTION

Re: Cold Temperature Soak of Mk 30 H.E. Warhead to Check New Seals

Summary

One Mk 30 warhead containing H.E. was placed in the Tank Chamber (in Area II). The chamber temperature was decreased to -65°F in a three-hour period and held at this temperature for 72 hours. The chamber temperature was then raised to room temperature (72°F) in a two-hour period.

The warhead pressure was 13 psig prior to lowering the temperature to -65°F. Approximately 19 hours after the chamber reached room temperature the warhead pressure was 12 psig.

The purpose of this test was to check the adequacy of newly designed warhead seals (made of Dow Corning S-6526 silastic) in a unit containing H.E. The test was requested by Division 7146. Mr. C. E. Dalton was the consultant.

R. A. Nikkelsen
R. A. NIKKELSEN - 7321-5

RECEIVED
FEB 17 1961
CENTRAL RECORD FILE

R. S. HOOFER - 7321-5

RAN:7321-5:de

Distribution:
W. E. Trethal, 7146
Attn: T. W. Hoover
J. W. Wilcox, 1442
R. M. Copeland, 7321
W. S. Manson, 7322
[illegible]
Harry Wall, [illegible]
R. E. Shelhamer, 7321-2

Mk. 30
3-2

SANDIA SYSTEMATIC DECLASSIFICATION REVIEW DOWNGRADING OR DECLASSIFICATION STAMP	
CLASSIFICATION CHANGED TO: U	AUTHORITY: W.C. Layne
PERSON CHANGING MARKING & DATE: Emelda Selph 6/23/98	RECORD ID: 98SN2494
PERSON VERIFYING MARKING & DATE: W C Layne 6/24/98	DATED: 6/17/98

1855

[redacted] UNCLASSIFIED