

UNCLASSIFIED

SANDIA SYSTEMATIC DECLASSIFICATION REVIEW	
1 st Review Date: 6/24/98	Determination (Circle Number):
Authority: ADD	Classification Retained:
Name: W. C. Payne	Classification Changed to: UNCL
2 nd Review Date: 6/29/98	3. Contains No DOE Classified Information
Authority: ADD	4. Coordinate With:
Name: W. Payne	Contains UCAIT
	5. Comments: Declassified

RECEIVED

AUG 1 1962

AUG 3 1962

File: TX-54, 3-2
T-18889

CENTRAL RECORD FILE

Date Completed: 7/27/62

MR. W. E. TREIBEL - 7146
Attn: Mr. J. A. Anderson - 7146-2

Re: Hydrostatic Pressure Test of B54 SADM

Object of Test

up [redacted] products.

Memo from Hooper to Jones, 344 dtd 8/6/62. ac. 8/9/62.

The object of this test was to aid in the evaluation of the B54 seals by subjecting the B54 unit to an external hydrostatic pressure of 22.5 psi and holding it for five minutes. The unit weight was to be determined before and after the test to determine if any leakage occurred. The lock secured cover was to be removed to inspect for leakage.

A 40 psi external pressure was to be applied and held for two days. The unit weight was to be determined and the SADM inspected for leakage.

Authorization for Test

This test was requested in an Environmental Test Order from Division 7146 dated July 23, 1962. Mr. J. A. Anderson, 7146-2, was the consultant.

Test Equipment and Instrumentation

The following equipment was used:

- 1 - Baldwin Pressure Cell, capacity 100 psi, Serial Number 10654.
- 1 - Baldwin Strain Indicator, Serial Number 391905.
- 1 Pressure Vessel, Number 2.

Procedure

The weight of the SADM was determined. The unit was then placed in the pressure vessel and pressurized to 22.5 psi for five minutes. The SADM was removed from the vessel, inspected for leakage and again the weight was determined. The SADM was placed in the pressure vessel and 40 psi external pressure was applied and held for two days. The SADM was removed from the vessel, inspected for leakage and the weight determined.

SEARCHED	INDEXED
SERIALIZED	FILED
AUG 1 1962	
FBI - ALBUQUERQUE	
TX 54/SADM	
3-2	

05447	PROGRAM
30446	CATEGORY
2806256	ORG.
205	DATE

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0346

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SANDIA SYSTEMATIC DECLASSIFICATION REVIEW DOWNGRADING OR DECLASSIFICATION STAMP	
CLASSIFICATION CHANGED TO: U	AUTHORITY: W.C. Payne
PERSON CHANGING MARKING & DATE: Emelda Selph 7/1/98	RECORD ID: 98SN2691
PERSON VERIFYING MARKING & DATE: W.C. Payne 7/1/98	DATED: 6/29/98

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Mr. W. E. Treibel - 7146

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Results

The weight of the SADM before testing was 58.62 pounds. After pressure was applied to 22.5 psi for five minutes there was one drop of water in the combination lock well, and the weight of the SADM was 58.64 pounds.

Pressure was applied to the SADM to 40 psi; however, due to leakage in the system the pressure was as low as 29 psi, twice during the 48 hours. There was again water in the combination lock well and the SADM weight was 59.12 pounds after testing.

H. A. Warrick
H. A. WARRICK - 7322-1

R. P. May
TEST PROJECT ENGINEER: R. P. MAY - 7321-5

APPROVED BY: *R. S. Hooper*
R. S. HOOPER - 7321-5

HAW:7322-1:pw

Copy to:

J. M. Wiesen, 1442

D. S. Bliss, 2344

D. M. Bruce, 7182

C. L. Johnson, 7523

E. H. Copeland, 7321

Central Records File, 3421-3

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