[redacted]

UNCLASSIFIED

1011

SANDIA SYSTEMATIC DECLASSIFICATION REVIEW

1st Review Date: 2/14/98
Authority: ☐ ADC ☒ ADD
Name: W Lane
2nd Review Date: 7/23/98
Authority: ADD
Name: R B Cramer

Determination (Circle Numbers)
1 Classification Retained
2 Classification Changed to: U
3 Contains No DOE Classified Information
4 Coordinate With:
5 Contains UCNI? NO
6 Comments: OK for Upgrade

DEC 6 1960

File No: TX-53, 3.2
T-No: T-17322
Project No: 19.858.00

TO: DISTRIBUTION

Re: Temperature, relative humidity, -65°F and 80,000 foot Altitude Test on CF-1557 and 1237 Neoprene Cable Covers.

Summary

After reaching -65°F at 60,000 feet, the altitude was increased to 80,000 feet, constantly observing the cable Neoprene coverings for any change in diameter and/or any visible damage. No visible damage occurred to the cable coverings during this test.

Object of Test

The purpose of this test was to determine if the neoprene cable covers are adequate to withstand the temperatures, relative humidity, and altitudes they may encounter in the stockpile to target sequence.

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Authorization for Test

This test was requested in a Work Order Authorization from E. I. Bruce, Division 7117 to E. H. Copeland, Division 7321, dated October 10, 1960. Mr. P. C. Montoya was the consultant.

Procedures and Results

The MC-1237 with cables, and the CF-1557 cable assembly were soaked in a chamber for twenty-four hours, at +100°F and 95 to 100% relative humidity.

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3-2

After the soak period, the MC-1237 and CF-1557 cable assembly were put in Conrad No. 3 chamber at room temperature. The first step, the chamber was brought to 2000 feet elevation and the temperature was brought to 70°F.

Second step the temperature was brought to zero degrees, and the elevation was brought to 25,000 feet.

Third step, the temperature was brought to -25°F, and elevation to 35,000 feet. Fourth step, the temperature was brought to -50°F,

SANDIA SYSTEMATIC DECLASSIFICATION REVIEW
DOWNGRADING OR DECLASSIFICATION STAMP

CLASSIFICATION CHANGED TO: U
AUTHORITY: R. B. Cramer
Emelda Selah 7/30/98
PERSON CHANGING MARKING & DATE
RECORD ID: 98SW2992
W C Lane 7/30/98
PERSON VERIFYING MARKING & DATE
DATED: 7/23/98

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and elevation to 45,000 feet.

Fifth step, the temperature was brought to -65°F, and elevation to 60,000 feet. The last step, the elevation was increased to 80,000 feet.

While entire flight to 60,000 feet, decreasing the temperature in increments to -65°F, took twenty-nine minutes.

No visual change to cable across occurred during this test.

A. K. Alberts
A. K. ALBERTS, 7321-5

R. S. Hooper
R. S. HOOPER, 7321-5

AKA:7321-5;RSH:7321-5:fe

Distribution:
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Attn: P. C. Montoya
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