

SANDIA SYSTEMATIC DECLASSIFICATION REVIEW DOWNGRADING OR DECLASSIFICATION STAMP	
CLASSIFICATION CHANGED TO: <u>U</u>	AUTHORITY: <u>W.C. Payne</u>
PERSON CHANGING MARKING & DATE <u>W. LAWRENCE 11/04/97</u>	RECORD ID: <u>985NO406</u>
PERSON VERIFYING MARKING & DATE	DATED: <u>10/23/97</u>

UNCLASSIFIED

TO BE FILLED IN BY BUDGET DEPT.

Project No.	<u>860.972.00</u>
Date App.	<u>MAR 19 1963</u>
Dept. Resp.	<u>7110</u>
CRF Index	<u>C-13</u>
Line No.	<u>04 60 50 01 1</u>

SC 9211-A (7-62)

DE

PURPOSE:  Authorization  Budget Justification FY   
 P/Y Accomplishments FY  Closing Notice  
 TYPE:  Annual  Specific  Reimbursable

Page 1 of 3

SUBJECT: **TASK II - Aerospace Safety Ground Test**

SANDIA SYSTEMATIC DECLASSIFICATION REVIEW	
1 <sup>st</sup> Review Date: <u>10/22/97</u>	Determine Status (Circle Numbers):
Authority: <input type="checkbox"/> AD <input type="checkbox"/> ADD	1 Classification Retained
Name: <u>W. H. LAWRENCE</u>	2 Classification Changed to: <u>UNCL</u>
2 <sup>nd</sup> Review Date: <u>10-23-97</u>	3 Contains No DOE Classified Information
Authority: <u>ADD</u>	4 Coordinate With:
Name: <u>W. Payne</u>	5 Contact: <u>LT</u>
	6 Comments: <u>undecided</u>

STATEMENT:

This annual project covers the Aerospace Safety Ground Test (TASK II) phase of work in the Aerospace Nuclear Safety Program for the AEC/HEB. This project will collect costs incurred for ground testing and analytical studies. Activity will include: nuclear and mechanical design reviews; testing by means of impact, fire, explosion, chemicals, etc.; nuclear testing analysis and reviews of hazards evaluation reports. These activities are necessary to obtain and evaluate engineering data required to assess the safety performance of nuclear systems for experimental and operational usage in aerospace.

Program Authorization

This program was authorized by a TWX from F. K. Pittman to K. F. Hertford, dated March 15, 1962.

Program Status

The work to be performed will include those areas of study necessary to completely understand the safety design and nuclear design of the systems. This will include the following:

- a. A review of each specific power reactor or propulsion design to ascertain that each design meets its objectives, particularly those related to safety operation.
- b. An analysis of hazardous conditions that may occur during the factory to re-entry sequence and possible consequences. Dynamic analyses of possible impact configurations of the reactors to determine if impact could result in an unsafe geometry. A series of impact, fire, explosion, chemical interaction, etc., tests will be run to simulate various postulated hazardous conditions.
- c. An assessment of the extent of the hazard resulting from accidental excursion of the reactor under consideration. Excursion testing will be done by others but SC will be involved in test planning, observation of performance, and evaluating results obtained.
- d. Analytical studies and coordination with the nuclear designer-fabricators will be performed on determining reactor configurations that could result in criticality. Testing of critical configurations will be done by others but SC will be involved in test planning, performance observations, and final evaluations.
- e. To fully understand the radiological consequences of a nuclear excursion, it is necessary to know the fission product release modes from the reactor core under study. Fission product release testing will be done by others but will be closely monitored by SC and the results obtained will be evaluated.

Project 860.950.00 "Aerospace Nuclear Safety" was authorized in March 1962 for the entire program assigned to Sandia Corporation by HEB. Projects 860.971.00 "Applied Aerospace Safety Research and Development"; 860.972.00 "Aerospace Safety Ground Tests", and

"This means National meaning Sec. 793 of which is prohibi

UNCLASSIFIED



UNCLASSIFIED

Sandia Corporation  
DESIGN, DEVELOPMENT & TEST PROJECT

TO BE FILLED IN BY BUDGET DEPT.

Project No.	860.972.00
Date App.	
Dept. Resp.	7110
CRF Index	
Line No.	

Page 2 of 3

PURPOSE:  Authorization  Budget Justification FY \_\_\_\_  
 P/Y Accomplishments FY \_\_\_\_  Closing Notice  
TYPE:  Annual  Specific  Reimbursable

SUBJECT: **TASK II - Aerospace Safety Ground Test (cont'd.)**

STATEMENT:  
860.973 00 "Aerospace Safety Flight Tests" are being authorized to provide accumulation of costs by specific functions.

Applicable FY63 expenditures will be transferred from Project 860.950.00 to the appropriate projects.

Expenditures during FY63 for this project are estimated at \$369.0 and funds in this amount were provided during the FY63 midyear review.

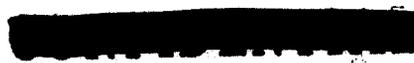
Plant equipment will not be fabricated or procured against this project.

The master project number will be used for budget purposes and no charges will be made to this number.

The following subprojects are authorized for accumulation of costs:

- .01 Costs not identifiable with a specific reactor.
- .02 SNAP 2
- .08 SNAP 8
- .09 SNAP 9
- .10 SNAP 10
- .11 SNAP 11

} closed 9/9/64



UNCLASSIFIED

**FINANCIAL DATA SHEET**  
(Dollars in Thousands)

12 MONTHS OF FY 63

**UNCLASSIFIED**

ORG.	DIRECT CHARGES AND OTHER COSTS							LABOR			TOTAL ESTIMATED COSTS
	Travel	Purchases	Material From Stores	Internal Transfers	Other	Indirect Appl. to Material	Total	Incremented Labor	Indirect Appl. to Labor	Total	
1180								10	10	20	20
2020		78	7				85				85
4890		7	2				9	10	10	20	29
7110	9						9	70	68	138	147
7130	1						1	2	2	4	5
7180	1						1	6	6	12	13
7640								3	3	6	6
7380	2						2	30	29	59	61
7390	1						1	1	1	2	3
TOTALS	14	85	9				108	132	129	261	369

REMARKS:

DEDUCT: TRANSFERS TO OTHER S.C. ACCOUNTS

EXTERNAL SALES

NET COSTS

-  
369

BUDGET DEPARTMENT USE ONLY

LINE APPROVAL

BUDGET DIVISION

DIVISION

BUDGET DEPARTMENT

DEPARTMENT

Original Signed By  
V. E. BLAKE

DISTRIBUTION:

W. Lee Hancock, AEC/SAO  
H. E. Lenander, 7100  
V. E. Blake, 7110  
Central Record File, 3421-3  
H. G. Pierce, 4171

DIRECTOR

Original Signed By FEB 8 1963  
HARLAN E. LENANDER

VICE PRESIDENT

VICE PRESIDENT  
WEAPON PROGRAMS

PRESIDENT

**UNCLASSIFIED**