

# DECLASSIFIED

7-4399

SPECIAL RE-REVIEW  
FINAL DETERMINATION  
DECLASSIFICATION CONFIRMED

BY AE BARBER DATE 3-1-82  
BY \_\_\_\_\_ DATE \_\_\_\_\_

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May 1973

PM Eick 4-1-99

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Arthur G. J. Wende

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JULY 12, 1946

PRODUCTION TEST NO. 105-55-F

SUPPLEMENT B

SPECIAL I RADIATIONS - REQUEST 15-2

## Objective

To subject 36 special slugs provided by the Army to irradiation in a pile. These slugs contain lithium fluoride.

## Basis

The present irradiation is the third installment of Request 15. The basis for this irradiation is given in the original Production Test and its Supplement A.

## Procedure

During the shutdown of the D Pile on July 16, the 36 slugs of Request 15-2 will be charged into Tube No. 2682 and centered in the column by means of standard lead dummy slugs. The special slugs will be loaded in the order 15-2-1 to 15-2-41. Missing from this series are No's. 15-2-7, 10, 11, 14, and 25. The irradiation will continue for approximately 50 days, and the slugs are to be shipped to the Metallurgical Laboratory approximately one week after discharge. The special column has a nominal reactivity absorption estimated as 52 inhours.

## Data

Technical will determine the exposure history by integrating the output of the adjacent active columns.

## Equipment

The special slugs were prepared by the Metallurgical Laboratory and were tested and recanned in the 300 Area. Of the 41 slugs supplied, five were found to leak (No's. 7, 10, 11, 14, and 25) and have been returned to the Army. The serial numbers on the Hanford cans correspond to the numbers on the Metallurgical Laboratory cans. The finished length of the slugs was approximately 3-3/4 inches.

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Responsibility

C. W. J. Wende - 100 Technical  
U. M. Staebler - 100 Technical

Estimated Completion

September 30, 1946

Approvals

W. E. Jordan W. E. Jordan 7-15-46 Date  
100 - 300 Technical

C. N. Gross C. N. Gross 7/15/46 Date  
P Department

M. H. Smith M. H. Smith 7/16/46 Date  
Production Superintendent

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