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HW-7-5162

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OCTOBER 2, 1946

PRODUCTION TEST 106-65-P - SUPPLEMENT F
SPECIAL IRRADIATION - REQUEST 15

Objective

To subject special lithium fluoride slugs provided by the Army to irradiation in the piles on a routine and continuing basis.

Basis

Five installments of Request 15 have been subjected to irradiation in the piles. These exposures were authorized in the previous Supplements to this Production Test. Slugs of this request will be supplied at the rate of approximately 100 per week during the next two months; (Novick to Zimm, 7-25-45, Doc. No. 8193). Authorization has been given by the Army, after discussion with the supplier, to discharge any columns before full exposure has been received if changes in the P-column pattern are necessary (Skinner to Greninger, 9-20-46, Doc. No. GE-H-10,031).

Other basic correspondence on this irradiation is listed in the original Production Test and its Supplement A.

Procedure

At regularly scheduled shutdowns, as opportunities arise, slugs of Request 15 material will be loaded into the channels of the regular P-column pattern, replacing P-columns or Special Request material.

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(either previous loadings of Request 15 or other materials). All loadings will be made subject to reactivity and temperature balance requirements and to relative priorities of Request 15 material and other Special Requests, and will be recorded in brief Interim Reports on this Production Test Supplement.

Slugs will normally be irradiated for 50 days but may be discharged sooner subject to the operating requirements.

Data

Technical will determine the total exposure of the slugs from regular operating data.

Equipment

The special slugs are prepared at Chicago and recanned and tested in the 300 Area. Slugs found to be defective are returned to the Army.

Responsibility

P. F. Gast - 100 Technical.

Estimated Completion

Depends upon number of slugs supplied.

Approvals

<u>C. J. Lando</u>	100-300 Technical	<u>10/2/46</u>	Date
<u>J. M. Anderson</u>	P Department	<u>10/2/46</u>	Date
<u>C. N. Brown</u>	Production Superintendent	<u>10/2/46</u>	Date

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