

IN. 1-4

Classification Cancelled

G.E. NUCLEONICS PROJECT

IN. 1

HW-879

~~UNCLASSIFIED~~

GENERAL ELECTRIC COMPANY

By Authority of _____

By D. L. SAMPSON

Date 10/31/46

Richland, Washington
February 6, 1948

Atomic Energy Commission
Office of Hanford Directed Operations
Richland, Washington

This Document contains
Pages No. 1
Copies, Series A

Attention: Mr. Carleton Shugg, Manager

ALPHA-ROLLED URANIUM

This will confirm conclusions reached this week in conversation among C. N. Gross, D. G. Sturgess and the writer as follows:

The first tube of lead-dipped, alpha-rolled uranium pushed from D-pile this week at 83% normal product concentration and a second tube also pushed this week at 85% product level showed this metal to be far superior to our regular canned slugs with respect to blistering. Detailed results of this experiment (which is continuing; other tubes will be pushed at concentrations up to 200% or more during the next six months) will appear in Technical Department reports.

We recommend that steps be taken immediately to convert production to alpha-rolled metal canned by the lead-dip process. We understand that the A.E.C. will arrange for the alpha-rolling of all Hanford billets at Joslyn Mfg. & Supply Co., Fort Wayne, Indiana, this operation to continue until such time as we are equipped either to alpha-roll or alpha-extrude in 300 Area.

I-125
Produced by uranium from May 5, 1947 to June 1948

7/27/48
Gross and Greninger informed verbally that New York is arranging to have rolled metal furnished (Supplier not yet decided on)

ABG:jdk

DG

D. H. LAUDER
WORKS MANAGER

A. E. Greninger
Technical Superintendent

