

SECRET
DATE 10/27/65

ALMD65104970353

October 27, 1965

[Handwritten signature]

Released through the
MOUND LSDR PROJECT
(funded through DOE's OPENNESS INITIATIVE)
Record Copy held at Mound Facility

Mr. W. B. Creamer, Area Manager
U. S. Atomic Energy Commission
P. O. Box 66
Miamisburg, Ohio

Dear Mr. Creamer:

Plutonium-238 Specifications for Division of
Isotope Development Requirements

My letter of January 22, 1965 to J. D. Ellett transmitted specifications for plutonium-238 oxide to be used for weapons production. Since non-weapons use of plutonium-238 is becoming substantial, it is deemed advisable to provide separate specifications for this material, deleting many of the analytical requirements of weapons-grade oxide.

Accordingly, specifications for plutonium-238 oxide to be used for Division of Isotope Development requirements are attached.

There are two specific points I should like to mention. First, Mound Laboratory must receive a minimum of one kilogram per quarter of oxide meeting weapons specifications, any quantity above that may be shipped against the attached specifications; and second, reduction in the neutron count is desired for material to be used in heat sources utilizing kilograms of plutonium-238. We have not changed the maximum neutron count specification, but do request that SRP determine the lowest neutrons/second/gram value that they feel is practicable and advise Mound Laboratory accordingly.

MOUND DECLASSIFICATION REVIEW	
1. REVIEW DATE: 11/12/80	2. DETERMINATION (CIRCLE NUMBER(S))
AUTHORITY: DAQC CDQC CDAD	1. CLASSIFICATION RETAINED
NAME: [Handwritten]	2. DECLASSIFIED ON [Handwritten]
2. REVIEW DATE: 11/12/80	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: [Handwritten]	4. COORDINATE WITH [Handwritten]
NAME: [Handwritten]	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO RECLASSIFIED

[Handwritten signature]

SECRET

[Handwritten signature]

This document contains information defined by the Atomic Energy Act of 1954 and the Atomic Energy Regulations in any manner that in unauthorized person is prohibited.

~~SECRET~~

Mr. W. B. Creamer,
Area Manager

- 2 -

October 27, 1965

We should appreciate information relative to the possibility of a lower neutron flux from SRP at their earliest convenience, as well as any comments or questions on the attached specifications.

Very truly yours,

David L. Scott
Vice President,
Plant Manager

JEB:DLS:rg

Attachment SRD, CF-No. 65-10-498

Distribution:

Copy 1A, 2A & 3A - W. B. Creamer, w/attach.
4A - J. E. Bradley, w/attach.
5A - L. V. Jones, w/attach.
6A - D. L. Scott, w/attach.

~~SECRET~~