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~~CONFIDENTIAL~~ ~~SECRET~~ [redacted]

TO: Mr. Oppenheimer - 2 - June 28, 1945

FROM: C. S. Smith and I. C. Schoonover

SUBJECT: Gun Fabrication Plan - Supplement to Document dated June 13, 1945

DOE (b)(3)

[redacted] This will be done if, and only if, it can be done without affecting the scheduled delivery date, and without etching, plating or otherwise marring other surfaces of the parts. Group CM-11 is now conducting experiments to decide the feasibility of such plating and will reach a final decision by July 1st. You will be advised of the decision.

Target Assembly

[redacted]

DOE (b)

Cyril Stanley Smith

I. C. Schoonover

CSS/bc

Distribution:
Bethe
Birch
Kennedy
Marshall
Maxwell
Oppenheimer
Parsons
Schoonover
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Smith (2)
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2207 0027

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A-84-019
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THIS DOCUMENT CONSISTS OF 2 PAGE(S)
NO. 10 OF 12 COPIES, SERIES a

Classifier June 28, 1945 (Name and Title)

TO: Mr. Oppenheimer

FROM: C. S. Smith and I. C. Schoonover

Derived From: LA-4000, Rev 7, 7/94 (Guide or Source Document and Date)

SUBJECT: Gun Fabrication Plan - Supplement to Document dated June 13, 1945

On June 13th we wrote outlining the specifications for the projectile rings and giving a tentative production schedule. Since that time there have been various meetings in your office, which have resulted in the changes listed below.

Ring 5, which was originally scheduled to be cast on June 26th, was not cast pending a decision on the utilization of high percentage material in it. We are now under instructions to delay casting of this ring until not later than July 5th, and the lowest possible concentration material available at that time will be used.

2207 0024

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DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW

1ST REVIEW-DATE: 6-16-98
AUTHORITY: ☐ADC ☐ADC ☐ADD
NAME: Adam R. Hornbuckle
2ND REVIEW-DATE: 6/16/98
AUTHORITY: ADD
NAME: [illegible]

DETERMINATION (CIRCLE NUMBER(S))
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6/13/45

~~FINAL DETERMINATION UNCLASSIFIED L. M. Redman JAN 9 1979~~

To: Dr. Oppenheimer

From: C. S. Smith and I. C. Schoonover

Subject: Gun Fabrication Plan [redacted]

The following plan for fabricating the gun projectile piece is presented for your approval.

Classification (Subject and Title)

Derived From: LA-4000, 9/94
(Guide or Source Document and Date)

1. Drawings

The drawings No. 01-322 and 01-353, Serial No. 01-366, received from Comdr. Birch on June 12, 1945, will be considered as properly defining the overall projectile piece.

2. Structure

[redacted]

DOE b(3)

3. Physical Characteristics

The physical characteristics of the individual rings will be as follows:

[redacted]

4. Fabrication and Composition

The rings will be prepared in the following manner (See Inter-Office Memo LA-SKA-104, June 11, for nomenclature and position of rings in gun):

A. [redacted]

DOE (b)(3)

B. [redacted]

DOE (b)(3)

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW
1ST REVIEW-DATE: 6/6-98
AUTHORITY: DOE DADC DADD
NAME: Jake Hornbacher
2ND REVIEW-DATE: 6/11/98
AUTHORITY: DOE DADC DADD
NAME: [illegible]
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From:
Smith & Schoonover

6/13/45

[redacted]

C. [redacted] DOE (b)(3)

D. [redacted]

E. [redacted] DOE (b)(3)

5. Purity Specifications (Neutron count)

All rings will be compared to a standard ring prepared from the best available metal. [redacted] DOE (b)(3)

Oppenheimer will be consulted for instructions regarding the disposition of any ring or rings which exceed this specification.

6. Isotopic Composition

Samples of the machining residues of each ring will be submitted for isotopic analysis.

7. Protective Coating

[redacted] DOE (b)(3) DOE (b)(3)

8. Delivery

If immediate approval of this plan is given, casting of the rings will commence on June 14. The set of rings is scheduled for completion on July 1, and it is anticipated that this will be met.

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ICS:CS:mf

Distribution:

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