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DECLASSIFIED

RECORD CENTER F[redacted]

HW-30029

ATOMIC WEAPONS

[redacted] SECURITY INFORMATION

Classification cancelled and changed to
DECLASSIFIED

By authority of DOC May 1973

By: [signature] 6/16/95

PD Simpson 8-23-99

[redacted] SECURITY INFORMATION

[redacted]
This document contains [redacted]
as defined in the [redacted]
1946. Its [redacted] disclosure
[redacted] in any manner to an un-
[redacted] person is prohibited.

SPECIAL RE-REVIEW
FINAL DETERMINATION
DECLASSIFICATION CONFIRMED
BY AZ Barber DATE 4/18/79
BY WA Snyder DATE 4-7/79

APPROVED FOR
PUBLIC RELEASE

Distribution

#1 OF Beaulieu
#2 RS Bell
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November 18, 1953

To: L. M. Meeker
Operations Sub-Section
234-5 Building

CHANGE IN CASTING ANALYZING PROCEDURE

In order to affect a savings in laboratory analytical costs, [...]
1953, the procedure for handling and analyzing the MC-2 and [...]
will be revised as follows:

1. The MC-1 and MC-2 casting samples (ca. 2.5 gm. Pu [...]
combined and placed in one vial by the operating gr[...]
delivered to the laboratory. Laboratory personnel [...]
entiate between the two samples by the physical app[...]
turnings.

2. The routine spectrographic analysis will be made on [...]
sample only. If the original MC-2 sample results e[...]
values listed in the table below, the MC-1 sample w[...]
analyzed. (The values given are in parts per milli[...]
plutonium).

Al	100	Li	
Be	0.13	Mg	
Ca	300	Mn	
Cr	200	Na	50
Fe	1000	Ni	500
La	800	Si	100

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SECURITY INFORMAT[...]

[redacted] HW-[redacted]

This change is based on a study of [redacted] spectrographic results made by the Statistics Unit which showed that there is no difference in the MC-1 and MC-2 samples for the elements Al, Be, Ca, La, Li, Mg, and Na and that the elements Fe, Cr, Ni, Cu, and Si are consistantly higher in the MC-2 sample.

3. In order to minimize the resampling of certain castings due to insufficient sample for analysis, the boron, carbon, and fluorine analysis will be made either on the MC-1 sample or the MC-2 sample at the discretion of the laboratory.

4. The upper rerun value for carbon is increased from 400 ppm (16% of the "q" value) to 500 ppm (20% of the "q" value). This increase will reduce the number of carbon reruns in the laboratory from approximately 40% to 15% without significantly influencing the average monthly c/q value of 0.403.

The Separations Technology Sub-Section, the Operations Sub-Section and the Process Sub-Section have concurred with the above changes.

E. G. Pieriek
Process Sub-Section
234-5 Building

EGP:CLBrown:pah

[redacted]