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INTER-OFFICE MEMORANDUM
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TO: Files
FROM: G. B. Kistiakowsky **OSTI**
SUBJECT: Machining of Large Charges

FEB 16 1999

DATE 17 March 1945

PUBLICLY RELEASABLE
LANL Classification Group
MR
MAY 20 1998

FINAL DETERMINATION
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L. M. Radiation
NOV 06, 1980

I am attempting to summarize the discussions at a meeting attended by all of you in my office at 1:15 p. m., 16 March. If my summary is incorrect, please notify me without delay as otherwise this program will be assumed to be in effect.

1. 3" Lens Charges: It has been agreed that plastic baskets will be used for the time being both on B and D molds; that as soon as practicable part of these molds (six at a time) will be withdrawn from production for remodelling by the shop to eliminate the need of the baskets. Brass plates should be used so long as they are available but no new plates will be made. The shop will deliver on Monday morning the new jigs for trimming 3" charges, even if that means overtime work.

2. 6" Lens Charges: No new brass plates will be made since the shops will deliver six molds not requiring plates on Monday, and hence the available brass plates will be more than enough.

3. The inspection of 3" and 6" lenses is to be relaxed but the user groups should receive information on the imperfections of lenses which they receive. All efforts should be made to stiffen the tolerances, first, to reach those specified by Lt. Hopper in his recent memorandum, and later to improving quality even further.

4. 9" lens charges: Additional molds for 9" charges will be delivered to S Site very shortly. Thereupon all efforts should be made to transfer the manufacture of these charges to the production line. For this purpose, a milling machine should be installed in S-32 building to drill Baratol cones. It was understood by everybody present that the Delta presses to be installed in S-32 will be adequate for other operations on 9" charges. Lt. Hopper undertakes to keep Mr. Long informed as to changes, if any, in the jigs and cutting drills for these charges, and of the numbers requires to reach a production of 1 1/2 to 2 charges a week. It is my hope that the 9" charges will be in regular production from April 1.

5. 18" Lens Charges: Heavy drill press for drilling Baratol cones will be modified and equipped with jig and cutting tools by the shops by April 1. S Site before that date will decide as to where this tool is to be installed for a temporary production job on 18" lenses.

A radial drill press (36") will be equipped by the

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