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DATE: 7/2/60 UNIT: 1

MOUND LABORATORY  
OPERATED BY  
MONSANTO CHEMICAL COMPANY  
MIAMINSBURG, OHIO

MOUND LABORATORY-MONSANTO  
Central File No. 60-5-13

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

REPLICATOR DEVELOPMENT STATUS REPORT

AS OF APRIL 30, 1960

MOUND DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: <u>6/23/68</u>	DETERMINATION (CIRCLE NUMBER(S))
AUTHORITY: <u>DAOC SACD DADD</u>	1. CLASSIFICATION RETAINED
NA: <u>T. B. PLANKS</u>	2. CLASSIFICATION CHANGED TO: _____
2ND REVIEW-DATE: <u>7/17/97</u>	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: <u>DO</u>	4. COORDINATE WITH: _____
NAME: <u>W. J. D'Atay</u>	5. CLASSIFICATION CANCELLED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER COMMENTS: _____

SUBMITTED TO: E. A. Rambold, Production Superintendent  
SUBMITTED BY: L. B. Gagey, General Operating Supervisor,  
Production Division

FOR: M. C. Larsen, Leader  
Special Materials Staff  
University of California  
Lawrence Radiation Laboratory  
Livermore, California

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- Copy 1 - M. C. Larsen (Attn. Mrs. E. Faries, LEL)
  - Copy 2 - E. A. Rambold
  - Copy 3 - D. L. Scott
  - Copy 4 - J. F. Michaelberger
  - Copy 5 - J. R. Wiesler
  - Copy 6 - W. B. Gresser (Manager, DAO, ABC)
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GROUP  
Excluded from automatic  
downgrading and  
declassification

Date: April 30, 1960

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**DETONATOR DEVELOPMENT STATUS REPORT**

**MOUND LABORATORY**

**OWL ASSEMBLIES (CONTINUED)**

An order has been placed with an outside vendor for some of these parts. Samples are expected by the end of April.

The contour 3.1 pellets received from Burlington were of low density and cannot be used. Since Mr. Henry is anxious to try contour 4 pellets as soon as possible, Burlington will correct their process and furnish us contour 4 pellets of the proper density. Mr. Henry will furnish these liners as we have only contour 3.1 liners. Our contour 4 liners and pellet tooling are scheduled for delivery the first week of May. This pellet problem has caused a delay in our shipment of this sub-assembly. However, the fabrication of the sub-assembly is fairly rapid, and we believe that delivery of the 920 of these can still be made within about 10 days of delivery of the 920 connector assemblies.

**1E28 DETONATORS**

Mound drawings have been prepared of both test cables, and these items are out for quotation from cable vendors. Three vendors have been visited to discuss problems concerned with production.

Purchase requisitions have been written for procurement of all components of this detonator. Purchase requisitions have also been written for procurement of approximately half of the required tools, jigs, and fixtures. Design work is proceeding on the remainder of these items and should be complete within two weeks.

VTS

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