E. I. DU PONT DE NEMOURS & COMPANY
INCORPORATED

WILMINGTON, DELAWARE

EXPLOSIVES DEPARTMENT

DPW-55-16-44

SR/H--912

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December 22, 1955

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FROM: M. S. BLOOMSBURG

WEEKLY REPORT DECEMBER 16-22, 1955
300-M AREA - SAVANNAH RIVER PLANT

I. ITEMS REQUESTED OF ENGINEERING

Increased Productivity Program

Mark III - Vacuum annealing equipment will be omitted from the Order-of-Magnitude estimate for this facility. Building space will be allowed for later installation of the equipment if necessary.

Mark VI - Engineering was requested to base design of the Mark VI fuel facility on a capacity of 14,000 acceptable tubes/year, rather than the 13,200/year previously specified.

II. ITEMS OF INTEREST

Hollow Uranium Slugs

Sylvania has completed canning of hot pressed Mark VII slugs for the R-9 loading. Over-all canning yield on the 2,000 cores received from FMPC averaged about 94% including experimental categories.

To date SRP welding yield on these pieces has been averaging about 95%. Delay in receipt of cores from

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Reviewing *C. J. Barick*
Official: *C. J. Barick, AED Class Officer*
Date *7/4/59*

Fernald prolonged completion of the canning program, however, and it is doubtful that all of the assemblies can be processed through the SRP 300-Area in time for the R-9 loading.

Last week it was reported that SEP had received clearance from AEC to gear up for a Mark VII production rate of 800 pieces per day by February 1956. This report was in error. Sylvania has received the go-ahead to hire personnel necessary for attaining a production rate of 350 pieces per day. They are presently drafting a proposal of requirements to attain a production rate of 800/day for the Commission, but have not received approval to proceed. SEP is also drafting a proposal to AEC covering requirements for setting up to drill and finish bare cores at a rate of 500/day by 2/10/55.

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