REMINGTON ARMS COMPANY INC.
LONOKE, ARKANSAS

September 28, 1992

TO: T. C. DOUGLAS

FROM: L. R. SROKA LRS

SUBJECT: MONTHLY REPORT

* EXPLOSIVES RESEARCH LAB

An inspection of the main lab building area north of the blast wall was made on 9/24 with the contractor and architect and a punch list was made up of items to be completed for occupancy of this area on Monday, 9/28. This area totals 50% of the mainlab building and consists of the instrumentation lab, offices, and restrooms. An inspection of the remainder of the main lab building is scheduled for this week and could also include the three outbuildings.

The fifth contractor's request for a partial payment of $100,180 was approved on 7/29/92 based on a work completion of 63% as of 7/24/92. The sixth contractor's request for a partial payment of $115,950 was approved on 9/10/92 based on a completion of 85% as of 8/26/92. To date, $441,060 has been approved for payment to the contractor based on total work completed.

* STL 12 EXPRESS - 1 oz. # 2, 4, & 6 SHOT

The steel shot container gas seal for a unibody shell needs to be sized small enough to fit into the tapered part of the unibody shell, but still be flexible enough to effect a good gas seal and strong enough to prevent breaking up as it moves out of the shell and encounters the larger diameters of the forcing cone and barrel. The second iteration Arburg molding machine experimental shot container appears to have a gas seal configuration which will work in a unibody shell as wad recovery testing of handloaded samples shot at -20 F revealed no gas seal defects.

A sketch of this 12 ga 1oz. steel shot container has been made and a finished drawing is expected form drafting sometime next week. As soon as this drawing is complete, a purchase order will issued to Ball/Unimark for experimental mold tool fabrication and a 5,000 piece sample which is needed for additional ballistics testing and a machine loaded experimental run.

* STL 20 EXPRESS - 3/4 oz. #2, 4 & 6 SHOT

The Arburg experimental tooling which was used to produce the 7/8 oz. shot container for the interim Remington Farms STL 20 target load was modified to fit a 3/4 oz. payload and preliminary load fit testing has been completed. The unibody gas seal design

used for the 12 ga steel 1 oz. shot container will be modified and sized for use in this load. Experimental mold tooling and a 5,000 piece sample will be ordered on completion of the drawing of this shot container.

* STL 20 TARGET - 7/8 oz. #8 SHOT

An experimental run of the interim 20 ga steel target load using the three piece body was machine loaded and 5,00 rounds were shipped to Remington Farms on 9/2/92. Now that the farms requirement for a STL 20-TGT has been satisfied for the immediate future, development work will continue on a unibody version of this load.

* STL 12 TARGET

All original work on this load was done using a three piece body. The unibody version will use a modified version of the STL 12 Express shot container. The shot container design for this load will be completed as soon as testing of the STL 12 Express 1 oz. shot container is complete.

* PRIMER TEST BOMB

Modifications to the primer test bomb have just been completed which will allow the primer ignition delay to be measured in addition to primer gas pressure as a function of time. Also, an additional fixture has been fabricated which will allow the testing of a small CF primer in addition to SS battery cup primers. Preliminary testing of the modifications is just getting underway.