

REMINGTON ARMS COMPANY INC.
LONOKE, ARKANSAS

June 25, 1992

TO: T. C. DOUGLAS
FROM: L. R. SROKA *LR*
SUBJECT: MONTHLY REPORT

* EXPLOSIVES RESEARCH LAB

The installation of the metal building system for the main lab building is complete except for the trim pieces, blast wall flashing, and gutters. The main lab building is now completely enclosed except for windows and doors. Work on the building interior has been started and, so far, approximately 90% of the wall studding has been installed, the trench drain in the chem lab area has been poured, the sprinkler system has been installed, and work crews of pipefitters and electricians have started their inside work.

The pilot mix house, energetic materials storage magazine, and the environmental conditioning magazine have been roofed and the siding installation on all three of these buildings is approximately 90% complete.

The fourth contractor's request for a partial payment of \$58,6277 has been approved based on a work completion of 48%. To date, \$224,930 has been approved for payment to the contractor based on total work completed.

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

The latest sample of shot containers made on the Arburg molders was tested in ballistics and the test results indicated the need for some redesign of the gas seal and amount of taper before the shot container design can be finalized. Revised mold tool drawings have been made and the tools are presently being fabricated.

* STL 20 EXPRESS - 2, 4 & 6

Because the payload volume of 3/4 oz. of #2,4,& 6 steel shot is significantly below that of 7/8 oz. of #8 steel shot, it will not be possible to load the 20 ga. 3/4 oz. express and 7/8 oz. target loads using a common shot container. However, 13/16 oz. of #2,4,& 6 shot is a good fit for the 7/8 oz. target shot container and this slightly heavier payload presents itself as a viable alternative to the 3/4 oz. load, which would require another shot container. Some preliminary ballistics testing of this alternative load produced velocity levels of 1400 fps but additional load development is required because the additional quantity of powder required for this load is pushing the loaded length limits. Testing will resume when the revised 7/8 oz. shot containers have been molded.