

REMINGTON ARMS COMPANY INC.  
LONOKE, ARKANSAS

June 29, 1993

TO: T. C. DOUGLAS

FROM: L. R. SROKA *LR*

SUBJECT: MONTHLY REPORT

\* EXPLOSIVES RESEARCH LAB

The construction phase of the lab facility was completed in April and the final contractor payment of \$4,115 was made last month. This final payment brought the total contracted construction cost of the facility to \$567,670. Although the construction contract has been satisfied per architectural design, some changes in requirements have been identified. These changes will cause some necessary modifications to the Storage Magazine and process waste piping and are estimated to cost in the range of \$10,000.

The remaining mixer parts are in the process of being fabricated and a tamp and foil press has been placed on order.

\* STL 12 EXPRESS - 1 oz. # 2, 3, 4, 5, & 6 SHOT

A 5,000 piece sample of STL12 1 oz. shot containers (EX40029) is on hand and a machine loaded experimental run was scheduled for 5/11 - 5/14. This experimental run was postponed due to previous machine commitments not being completed per schedule and the run was re-scheduled for 6/26 - 6/30. The re-scheduled 6/26 experimental run was postponed due to production requirements and the run is now tentatively scheduled for the third week in July.

\* STL 20 EXPRESS - 3/4 oz. #2, 3, 4, 5 & 6 SHOT

The STL20 EXPRESS technical data transfer to production was completed on June 18.

\* STL .410 EXPRESS

A 5,000 piece sample of the .410 steel shot container (EX40032) is on hand and samples are in ballistics for load development.

\* STL 12 TARGET

A 5,000 piece sample of the 12 steel target shot container (EX40040) is on hand and samples are in Ballistics for load development.

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

The field testing of this x-run product was done on a Skeet field on 6/21. No differences could be perceived in the performance of this product when compared to the RTL20-9 lead load. Target breaking performance and recoil sensation were identical to the lead control load. The STL20 TARGET - 8 technical data transfer to production was completed on 6/25. The remaining quantity of approximately 2800 rds. will be sent to Remington farms for additional testing.

A new concept steel shot container with a small compression section has been designed and drawing EX40041 was sent to Ball / Unimark to discuss mold design possibilities. A quote has been received from Unimark proposing two gate options for an experimental R&D mold with prices ranging from \$31,200 for a single cavity hot runner mold to \$58,400 for a four cavity hot to cold runner mold. A project request for for \$53,000 for a 2 cavity mold frame and prototype tooling for the 12 and 20 ga. loads was written on 6/28.

\* PRIMER TEST BOMB

A meeting was held on December 2, 1992 with representatives of the University of Arkansas at Little Rock (UALR) Graduate Institute of Technology to discuss the possibility of enlisting their help in designing a flame temperature measurement device for the primer test bomb system. A document which included project background information, scope of work, and a confidentiality agreement was sent to UALR on 12/22/93 for their response in the form of a project proposal. We met with the folks from UALR on 4/30 to discuss the project requirements in more detail and we received their project proposal on 6/2. For a sum of \$62,000, UALR proposes to develop and deliver a working instrument capable of optically analyzing the spectral output of a primer flash. This cost would be reduced to \$30,000 with ASTA (Arkansas Science and Technology Authority) participation. ASTA serves as a statewide funding resource for scientific and technological projects. It endeavors to bring the benefits of science and advanced technology to the people and state of Arkansas through scientific research, technology development, business innovation, and education. ASTA is funding the literature survey for this project, which is being conducted this summer, to assist in starting a working relationship between UALR and Remington Arms Co.

\* PLANT SUPPORT

EXPLOSIVES COMMITTEE: Regular duties of explosives area inspections and incident investigations continue.

PROCESS SAFETY MANAGEMENT COMMITTEE: Committee meetings continue to review area work-team progress. Area work-team meetings continue to complete the process hazards analysis for assigned areas.